



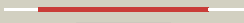

















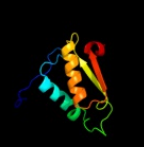

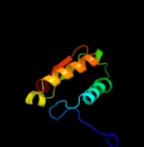



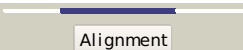
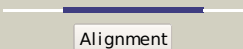


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dljcea1	 Alignment		98.8	19	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
2	c3h1qB_	 Alignment		97.5	15	PDB header: structural protein Chain: B; PDB Molecule: ethanolamine utilization protein eutj; PDBTitle: crystal structure of ethanolamine utilization protein eutj from2 carboxydotherrmus hydrogenoformans
3	c1o1f4_	 Alignment		97.0	6	PDB header: contractile protein Chain: 4; PDB Molecule: skeletal muscle actin; PDBTitle: molecular models of averaged rigor crossbridges from2 tomograms of insect flight muscle
4	d1bupa1	 Alignment		96.8	11	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
5	c1jcgA_	 Alignment		96.8	17	PDB header: structural protein Chain: A; PDB Molecule: rod shape-determining protein mreb; PDBTitle: mreb from thermotoga maritima, amppnp
6	d2e8aa1	 Alignment		96.8	10	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
7	c3dw1B_	 Alignment		96.1	7	PDB header: structural protein Chain: B; PDB Molecule: actin-related protein 3; PDBTitle: crystal structure of fission yeast arp2/3 complex lacking the arp22 subunit
8	c2p91A_	 Alignment		95.9	4	PDB header: structural protein Chain: A; PDB Molecule: actin-like protein 3; PDBTitle: crystal structure of bovine arp2/3 complex
9	c3qb0C_	 Alignment		95.6	12	PDB header: structural protein Chain: C; PDB Molecule: actin-related protein 4; PDBTitle: crystal structure of actin-related protein arp4 from s. cerevisiae2 complexed with atp
10	c2v7yA_	 Alignment		94.8	11	PDB header: chaperone Chain: A; PDB Molecule: chaperone protein dnak; PDBTitle: crystal structure of the molecular chaperone dnak from2 geobacillus kaustophilus hta426 in post-atp hydrolysis3 state
11	d1dkgd1	 Alignment		93.8	13	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70

12	c2khoA	Alignment		91.8	13	PDB header: chaperone Chain: A; PDB Molecule: heat shock protein 70; PDBTitle: nmr-rdc / xray structure of e. coli hsp70 (dnak) chaperone2 (1-605) complexed with adp and substrate
13	c3d2fC	Alignment		91.1	8	PDB header: chaperone Chain: C; PDB Molecule: heat shock protein homolog sse1; PDBTitle: crystal structure of a complex of sse1p and hsp70
14	d2hf3a1	Alignment		87.4	6	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
15	d2fxua1	Alignment		86.7	8	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
16	d1yaga1	Alignment		86.0	6	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
17	d1c0fa1	Alignment		73.9	9	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
18	c2v7zA	Alignment		73.0	11	PDB header: chaperone Chain: A; PDB Molecule: heat shock cognate 71 kda protein; PDBTitle: crystal structure of the 70-kda heat shock cognate protein2 from rattus norvegicus in post-atp hydrolysis state
19	c3iucC	Alignment		64.3	13	PDB header: chaperone Chain: C; PDB Molecule: heat shock 70kda protein 5 (glucose-regulated PDBTitle: crystal structure of the human 70kda heat shock protein 52 (bip/grp78) atpase domain in complex with adp
20	d1dn1a	Alignment		58.7	19	Fold: Sec1/munc18-like (SM) proteins Superfamily: Sec1/munc18-like (SM) proteins Family: Sec1/munc18-like (SM) proteins
21	c1dkgD	Alignment	not modelled	57.9	13	PDB header: complex (hsp24/hsp70) Chain: D; PDB Molecule: molecular chaperone dnak; PDBTitle: crystal structure of the nucleotide exchange factor grpe2 bound to the atpase domain of the molecular chaperone dnak
22	c1hpmA	Alignment	not modelled	54.2	11	PDB header: hydrolase (acting on acid anhydrides) Chain: A; PDB Molecule: 44k atpase fragment (n-terminal) of 70 kd heat- PDBTitle: how potassium affects the activity of the molecular2 chaperone hsc70. ii. potassium binds specifically in the3 atpase active site
23	d1k8ka1	Alignment	not modelled	49.2	5	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Actin/HSP70
24	d1epua	Alignment	not modelled	33.3	21	Fold: Sec1/munc18-like (SM) proteins Superfamily: Sec1/munc18-like (SM) proteins Family: Sec1/munc18-like (SM) proteins
25	c2xheA	Alignment	not modelled	27.6	14	PDB header: exocytosis Chain: A; PDB Molecule: unc18; PDBTitle: crystal structure of the unc18-syntaxin 1 complex from monosiga2 brevicollis
26	c1xofA	Alignment	not modelled	19.5	50	PDB header: de novo protein Chain: A; PDB Molecule: bbahett1; PDBTitle: heterooligomeric beta beta alpha miniprotein
27	c1bmtB	Alignment	not modelled	17.8	15	PDB header: methyltransferase Chain: B; PDB Molecule: methionine synthase; PDBTitle: how a protein binds b12: a 3.0 angstrom x-ray structure of2 the b12-binding domains of methionine synthase
28	d1sqsa	Alignment	not modelled	15.9	13	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Hypothetical protein SP1951

29	d1mqsa_	Alignment	not modelled	14.6	13	Fold: Sec1/munc18-like (SM) proteins Superfamily: Sec1/munc18-like (SM) proteins Family: Sec1/munc18-like (SM) proteins
30	c2kk4A_	Alignment	not modelled	14.5	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein af_2094; PDBTitle: solution nmr structure of protein af2094 from archaeoglobus2 fulgidus. northeast structural genomics consotium (nesg)3 target gt2
31	c2pjxB_	Alignment	not modelled	11.9	15	PDB header: endocytosis/exocytosis Chain: B: PDB Molecule: syntxin-binding protein 3; PDBTitle: crystal structure of the munc18c/syntaxin4 n-peptide complex
32	d1wdea_	Alignment	not modelled	11.3	27	Fold: Tetrapyrrole methylase Superfamily: Tetrapyrrole methylase Family: Tetrapyrrole methylase
33	d1xsza2	Alignment	not modelled	10.2	7	Fold: TBP-like Superfamily: RalF, C-terminal domain Family: RalF, C-terminal domain
34	c2phjA_	Alignment	not modelled	10.1	11	PDB header: hydrolase Chain: A: PDB Molecule: 5'-nucleotidase sure; PDBTitle: crystal structure of sure protein from aquifex aeolicus
35	d1mixa2	Alignment	not modelled	9.7	19	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Third domain of FERM
36	d1vhka2	Alignment	not modelled	9.3	33	Fold: alpha/beta knot Superfamily: alpha/beta knot Family: Yggj C-terminal domain-like
37	d3d37a2	Alignment	not modelled	9.0	11	Fold: Phage tail proteins Superfamily: Phage tail proteins Family: Baseplate protein-like
38	c3itqB_	Alignment	not modelled	8.8	23	PDB header: oxidoreductase Chain: B: PDB Molecule: prolyl 4-hydroxylase, alpha subunit domain protein; PDBTitle: crystal structure of a prolyl 4-hydroxylase from bacillus anthracis
39	c3cq9C_	Alignment	not modelled	8.7	7	PDB header: transferase Chain: C: PDB Molecule: uncharacterized protein lp_1622; PDBTitle: crystal structure of the lp_1622 protein from lactobacillus2 plantarum. northeast structural genomics consortium target3 lpr114
40	d1omwa2	Alignment	not modelled	8.5	18	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
41	d1gyxa_	Alignment	not modelled	7.9	13	Fold: Tautomerase/MIF Superfamily: Tautomerase/MIF Family: 4-oxalocrotonate tautomerase-like
42	c2wj8N_	Alignment	not modelled	7.5	29	PDB header: rna binding protein/rna Chain: N: PDB Molecule: nucleoprotein; PDBTitle: respiratory syncytial virus ribonucleoprotein
43	c3lmmA_	Alignment	not modelled	7.1	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the dip2311 protein from2 corynebacterium diphtheriae, northeast structural genomics3 consortium target cdr35
44	c3kw2A_	Alignment	not modelled	6.5	26	PDB header: transferase Chain: A: PDB Molecule: probable r-rna methyltransferase; PDBTitle: crystal structure of probable rrna-methyltransferase from2 porphyromonas gingivalis
45	c1mszA_	Alignment	not modelled	6.4	15	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding protein smubp-2; PDBTitle: solution structure of the r3h domain from human smubp-2
46	d1msza_	Alignment	not modelled	6.4	15	Fold: IF3-like Superfamily: R3H domain Family: R3H domain
47	d1cqxa3	Alignment	not modelled	6.1	18	Fold: Ferredoxin reductase-like, C-terminal NADP-linked domain Superfamily: Ferredoxin reductase-like, C-terminal NADP-linked domain Family: Flavoheemoglobin, C-terminal domain
48	d2dw4a1	Alignment	not modelled	6.1	10	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: SWIRM domain
49	c2pihA_	Alignment	not modelled	6.1	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein ymca; PDBTitle: crystal structure of protein ymca from bacillus subtilis,2 northeast structural genomics target sr375
50	d2piha1	Alignment	not modelled	6.1	17	Fold: YheA-like Superfamily: YheA/YmcA-like Family: YmcA-like
51	d2bz2a1	Alignment	not modelled	5.9	12	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
52	d1gph11	Alignment	not modelled	5.9	9	Fold: PRTase-like Superfamily: PRTase-like Family: Phosphoribosyltransferases (PRTases)
53	c2rm4A_	Alignment	not modelled	5.7	26	PDB header: protein binding Chain: A: PDB Molecule: cg6311-pb; PDBTitle: solution structure of the lsm domain of dm edc3 (enhancer2 of decapping 3)
54	d2nu7a1	Alignment	not modelled	5.5	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: CoA-binding domain

55	c3bt6B_	 Alignment	not modelled	5.4	18	PDB header: viral protein Chain: B: PDB Molecule: influenza b hemagglutinin (ha); PDBTitle: crystal structure of influenza b virus hemagglutinin
56	c3melC_	 Alignment	not modelled	5.3	12	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: thiamin pyrophosphokinase family protein; PDBTitle: crystal structure of thiamin pyrophosphokinase family protein from2 enterococcus faecalis, northeast structural genomics consortium3 target efr150