

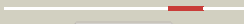


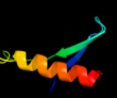







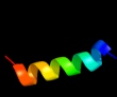

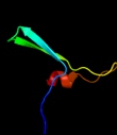








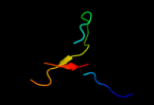

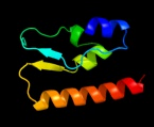
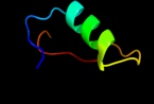
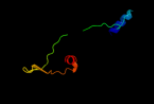


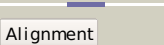
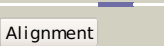
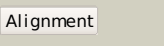
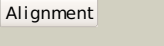
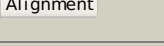



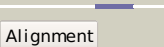

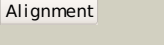
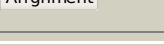

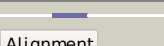
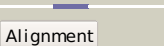
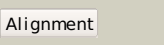
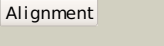
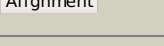


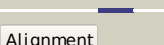
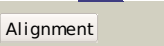
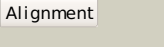
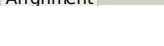



#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2vldA_	 Alignment		99.8	18	PDB header: hydrolase Chain: A: PDB Molecule: upf0286 protein pyrab01260; PDBTitle: crystal structure of a repair endonuclease from pyrococcus2 abyssi
2	d1w36b3	 Alignment		92.9	19	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Exodeoxyribonuclease V beta chain (RecB), C-terminal domain
3	c1w36E_	 Alignment		91.9	19	PDB header: recombination Chain: E: PDB Molecule: exodeoxyribonuclease v beta chain; PDBTitle: recbcd:dna complex
4	d1az3a_	 Alignment		56.3	14	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Restriction endonuclease EcoRV
5	d1a9xa1	 Alignment		54.2	27	Fold: Carbamoyl phosphate synthetase, large subunit connection domain Superfamily: Carbamoyl phosphate synthetase, large subunit connection domain Family: Carbamoyl phosphate synthetase, large subunit connection domain
6	d1vz0a1	 Alignment		41.9	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: KorB DNA-binding domain-like Family: KorB DNA-binding domain-like
7	d2btoa1	 Alignment		37.4	20	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
8	c3h1tA_	 Alignment		36.4	21	PDB header: hydrolase Chain: A: PDB Molecule: type i site-specific restriction-modification PDBTitle: the fragment structure of a putative hsdR subunit of a type2 i restriction enzyme from vibrio vulnificus yj016
9	d1vhsa_	 Alignment		34.3	28	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
10	c3h4rA_	 Alignment		32.6	17	PDB header: hydrolase Chain: A: PDB Molecule: exodeoxyribonuclease 8; PDBTitle: crystal structure of e. coli rece exonuclease
11	c3ot2B_	 Alignment		31.9	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a putative nuclease belonging to duf8202 (ava_3926) from anabaena variabilis atcc 29413 at 1.96 a resolution

12	c3ot2A_	Alignment		31.9	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a putative nuclease belonging to duf8202 (ava_3926) from anabaena variabilis atcc 29413 at 1.96 a resolution
13	c3njcA_	Alignment		29.6	27	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: yslb protein; PDBTitle: crystal structure of the yslb protein from bacillus subtilis.2 northeast structural genomics consortium target sr460.
14	c3ga2A_	Alignment		29.5	22	PDB header: hydrolase Chain: A: PDB Molecule: endonuclease v; PDBTitle: crystal structure of the endonuclease_v (bsu36170) from2 bacillus subtilis, northeast structural genomics3 consortium target sr624
15	c3fovA_	Alignment		29.4	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0102 protein rpa0323; PDBTitle: crystal structure of protein rpa0323 of unknown function from2 rhodospseudomonas palustris
16	dlyioa2	Alignment		27.6	20	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
17	d2k3ka1	Alignment		26.0	27	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
18	dlm0da_	Alignment		25.1	17	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Endonuclease I (Holliday junction resolvase)
19	dl1tuba1	Alignment		22.8	20	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
20	dlw0ba_	Alignment		22.1	40	Fold: Spectrin repeat-like Superfamily: Alpha-hemoglobin stabilizing protein AHSP Family: Alpha-hemoglobin stabilizing protein AHSP
21	dl1tubb1	Alignment	not modelled	21.6	15	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
22	dl1d2zb_	Alignment	not modelled	21.4	26	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH domain, DD
23	c3cueJ_	Alignment	not modelled	21.4	16	PDB header: protein transport Chain: J: PDB Molecule: transport protein particle 22 kda subunit; PDBTitle: crystal structure of a trapp subassembly activating the rab2 ypt1p
24	c2jg6A_	Alignment	not modelled	20.0	26	PDB header: hydrolase Chain: A: PDB Molecule: dna-3-methyladenine glycosidase; PDBTitle: crystal structure of a 3-methyladenine dna glycosylase i2 from staphylococcus aureus
25	dl1sjqa_	Alignment	not modelled	19.7	15	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
26	dl1xma_	Alignment	not modelled	18.8	10	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Hypothetical protein VC1899
27	c2az1B_	Alignment	not modelled	18.7	16	PDB header: transferase Chain: B: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: structure of a halophilic nucleoside diphosphate kinase2 from halobacterium salinarum
28	c3ed1A_	Alignment	not modelled	18.2	20	PDB header: structural protein Chain: A: PDB Molecule: alpha-tubulin; PDBTitle: kinesin13-microtubule ring complex
29	dlz8ua1	Alignment	not modelled	17.9	40	Fold: Spectrin repeat-like Superfamily: Alpha-hemoglobin stabilizing protein AHSP Family: Alpha-hemoglobin stabilizing protein AHSP

30	d1sx5a_	Alignment	not modelled	17.7	14	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Restriction endonuclease EcoRV
31	c2jlmE_	Alignment	not modelled	17.4	22	PDB header: transferase Chain: E: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
32	c1s7fA_	Alignment	not modelled	17.1	14	PDB header: transferase Chain: A: PDB Molecule: acetyl transferase; PDBTitle: riml- ribosomal l7/12 alpha-n-protein acetyltransferase crystal form2 i (apo)
33	c2o37A_	Alignment	not modelled	17.0	6	PDB header: chaperone Chain: A: PDB Molecule: protein sis1; PDBTitle: j-domain of sis1 protein, hsp40 co-chaperone from2 saccharomyces cerevisiae.
34	c2jh9A_	Alignment	not modelled	16.8	23	PDB header: viral protein Chain: A: PDB Molecule: vp4 core protein; PDBTitle: the structure of bluetongue virus vp4 reveals a2 multifunctional rna-capping production-line
35	c2e5jA_	Alignment	not modelled	16.6	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: methenyltetrahydrofolate synthetase domain PDBTitle: solution structure of rna binding domain in2 methenyltetrahydrofolate synthetase domain containing
36	c3cxjB_	Alignment	not modelled	15.8	16	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein from2 methanothermobacter thermautotrophicus
37	c3apqB_	Alignment	not modelled	15.7	18	PDB header: oxidoreductase Chain: B: PDB Molecule: dnaj homolog subfamily c member 10; PDBTitle: crystal structure of j-trx1 fragment of erdj5
38	d1nkua_	Alignment	not modelled	15.4	26	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: 3-Methyladenine DNA glycosylase I (Tag)
39	d1w25a1	Alignment	not modelled	14.9	12	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
40	c1vbkA_	Alignment	not modelled	14.7	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ph1313; PDBTitle: crystal structure of ph1313 from pyrococcus horikoshii ot3
41	d2di0a1	Alignment	not modelled	14.6	33	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: CUE domain
42	c2w4zB_	Alignment	not modelled	14.4	38	PDB header: virus Chain: B: PDB Molecule: caulobacter bacteriophage 5; PDBTitle: caulobacter bacteriophage 5
43	c3efcA_	Alignment	not modelled	14.2	15	PDB header: membrane protein Chain: A: PDB Molecule: outer membrane protein assembly factor yaet; PDBTitle: crystal structure of yaet periplasmic domain
44	d1whya_	Alignment	not modelled	13.9	18	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
45	d1wdjb_	Alignment	not modelled	13.9	16	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Hypothetical protein TT1808 (TTHA1514)
46	c1m6vE_	Alignment	not modelled	13.8	27	PDB header: ligase Chain: E: PDB Molecule: carbamoyl phosphate synthetase large chain; PDBTitle: crystal structure of the g359f (small subunit) point mutant of2 carbamoyl phosphate synthetase
47	d2gxba1	Alignment	not modelled	13.1	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Z-DNA binding domain
48	d1kxpd3	Alignment	not modelled	13.1	22	Fold: Serum albumin-like Superfamily: Serum albumin-like Family: Serum albumin-like
49	c3pgwP_	Alignment	not modelled	13.0	27	PDB header: splicing/dna/rna Chain: P: PDB Molecule: u1-a; PDBTitle: crystal structure of human u1 snrnp
50	c1xaxA_	Alignment	not modelled	13.0	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical upf0054 protein hi0004; PDBTitle: nmr structure of hi0004, a putative essential gene product2 from haemophilus influenzae
51	d1qkka_	Alignment	not modelled	12.8	14	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
52	d1kn0a_	Alignment	not modelled	12.8	30	Fold: dsRBD-like Superfamily: dsRNA-binding domain-like Family: The homologous-pairing domain of Rad52 recombinase
53	c2qv0A_	Alignment	not modelled	12.7	15	PDB header: transcription Chain: A: PDB Molecule: protein mrke; PDBTitle: crystal structure of the response regulatory domain of2 protein mrke from klebsiella pneumoniae
54	d1wdja_	Alignment	not modelled	12.6	18	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Hypothetical protein TT1808 (TTHA1514)
55	d2b7oa1	Alignment	not modelled	12.6	12	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class-II DAHP synthetase

56	c3eplA		not modelled	12.4	20	PDB header: transferase/rna Chain: A: PDB Molecule: trna isopentenyltransferase; PDBTitle: crystallographic snapshots of eukaryotic2 dimethylallyltransferase acting on trna: insight into trna3 recognition and reaction mechanism
57	dlxe1a		not modelled	12.3	30	Fold: Reductase/isomerase/elongation factor common domain Superfamily: Translation proteins Family: Elongation factors
58	clxe1A		not modelled	12.3	30	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein pf0907; PDBTitle: hypothetical protein from pyrococcus furiosus pfu-880080-001
59	c2i79B		not modelled	12.3	17	PDB header: transferase Chain: B: PDB Molecule: acetyltransferase, gnat family; PDBTitle: the crystal structure of the acetyltransferase of gnat family from2 streptococcus pneumoniae
60	c3hdgE		not modelled	12.2	12	PDB header: structural genomics, unknown function Chain: E: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the n-terminal domain of an2 uncharacterized protein (ws1339) from woliniella3 succinogenes
61	dlgefa		not modelled	12.0	31	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Hjc-like
62	c2kqxA		not modelled	11.4	10	PDB header: chaperone binding protein Chain: A: PDB Molecule: curved dna-binding protein; PDBTitle: nmr structure of the j-domain (residues 2-72) in the2 escherichia coli cbpa
63	c3qpbB		not modelled	11.4	38	PDB header: transferase Chain: B: PDB Molecule: uridine phosphorylase; PDBTitle: crystal structure of streptococcus pyogenes uridine phosphorylase2 reveals a subclass of the np-i superfamily
64	d2rnrb1		not modelled	11.4	22	Fold: PH domain-like barrel Superfamily: PH domain-like Family: TFIIH domain
65	c2pd0D		not modelled	11.1	14	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: hypothetical protein; PDBTitle: protein cgd2_2020 from cryptosporidium parvum
66	c2oziA		not modelled	11.1	38	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein rpa4178; PDBTitle: structural genomics, the crystal structure of a putative2 protein rpa4178 from rhodopseudomonas palustris cga009
67	dlvbka2		not modelled	10.9	20	Fold: THUMP domain Superfamily: THUMP domain-like Family: THUMP domain
68	dlxm5a		not modelled	10.7	10	Fold: Zincin-like Superfamily: Metalloproteases ("zincins"), catalytic domain Family: Predicted metal-dependent hydrolase
69	dlmnta		not modelled	10.6	12	Fold: Ribbon-helix-helix Superfamily: Ribbon-helix-helix Family: Arc/Mnt-like phage repressors
70	dlfj7a		not modelled	10.6	21	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
71	c3mg9A		not modelled	10.5	30	PDB header: transferase/antibiotic Chain: A: PDB Molecule: teg12; PDBTitle: teg 12 binary structure complexed with the teicoplanin aglycone
72	c2dmxA		not modelled	10.3	17	PDB header: chaperone Chain: A: PDB Molecule: dnaj homolog subfamily b member 8; PDBTitle: solution structure of the j domain of dnaj homolog2 subfamily b member 8
73	dlv4na		not modelled	10.1	33	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
74	cl1yewC		not modelled	10.1	29	PDB header: oxidoreductase, membrane protein Chain: C: PDB Molecule: particulate methane monooxygenase subunit c2; PDBTitle: crystal structure of particulate methane monooxygenase
75	dl1a9nb		not modelled	9.5	18	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
76	c3f6cB		not modelled	9.4	4	PDB header: dna binding protein Chain: B: PDB Molecule: positive transcription regulator evga; PDBTitle: crystal structure of n-terminal domain of positive transcription2 regulator evga from escherichia coli
77	dl1via		not modelled	9.3	12	Fold: Zincin-like Superfamily: Metalloproteases ("zincins"), catalytic domain Family: Predicted metal-dependent hydrolase
78	d2g9ha2		not modelled	9.0	27	Fold: MHC antigen-recognition domain Superfamily: MHC antigen-recognition domain Family: MHC antigen-recognition domain
79	cl1wtaA		not modelled	9.0	15	PDB header: transferase Chain: A: PDB Molecule: 5'-methylthioadenosine phosphorylase; PDBTitle: crystal structure of 5'-deoxy-5'-methylthioadenosine from aeropyrum2 pernix (r32 form)
80	dl1hh1a		not modelled	9.0	26	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Hjc-like
81	c2btoA		not modelled	8.7	20	PDB header: cytoskeletal protein Chain: A: PDB Molecule: tubulin btuba; PDBTitle: structure of btuba from prostheobacter dejongeii
82	c2p1lF		not modelled	8.6	31	PDB header: apoptosis Chain: F: PDB Molecule: beclin 1;

					PDBTitle: structure of the bcl-xl:beclin 1 complex
83	c1u9pA_	Alignment	not modelled	8.6	28 PDB header: unknown function Chain: A: PDB Molecule: parc; PDBTitle: permuted single-chain arc
84	c3pbiA_	Alignment	not modelled	8.5	20 PDB header: hydrolase Chain: A: PDB Molecule: invasion protein; PDBTitle: structure of the peptidoglycan hydrolase ripb (rv1478) from2 mycobacterium tuberculosis at 1.6 resolution
85	d1fl0a_	Alignment	not modelled	8.5	13 Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Myf domain
86	d1yr0a1	Alignment	not modelled	8.3	25 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
87	c1vkjA_	Alignment	not modelled	8.2	29 PDB header: transferase Chain: A: PDB Molecule: heparan sulfate (glucosamine) 3-o- PDBTitle: crystal structure of heparan sulfate 3-o-sulfotransferase2 isoform 1 in the presence of pap
88	d1vkja_	Alignment	not modelled	8.2	29 Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
89	c2hjnA_	Alignment	not modelled	8.2	17 PDB header: cell cycle Chain: A: PDB Molecule: maintenance of ploidy protein mob1; PDBTitle: structural and functional analysis of saccharomyces2 cerevisiae mob1
90	d2cq2a1	Alignment	not modelled	8.1	12 Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
91	d1wexa_	Alignment	not modelled	8.1	27 Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
92	d2ad9a1	Alignment	not modelled	8.0	15 Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
93	d1lif1a_	Alignment	not modelled	8.0	20 Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Interferon regulatory factor
94	d1qgpa_	Alignment	not modelled	7.9	21 Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Z-DNA binding domain
95	d2cpda1	Alignment	not modelled	7.8	27 Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
96	c3k44D_	Alignment	not modelled	7.7	24 PDB header: nucleic acid binding protein Chain: D: PDB Molecule: purine-rich binding protein-alpha, isoform b; PDBTitle: crystal structure of drosophila melanogaster pur-alpha
97	c3g16A_	Alignment	not modelled	7.7	56 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein with cystatin-like fold; PDBTitle: crystal structure of protein of unknown function with cystatin-like2 fold (yp_001022489.1) from methylobium petroleophilum pm1 at 1.45 a3 resolution
98	c3d3qB_	Alignment	not modelled	7.4	13 PDB header: transferase Chain: B: PDB Molecule: trna delta(2)-isopentenylpyrophosphate PDBTitle: crystal structure of trna delta(2)-isopentenylpyrophosphate2 transferase (se0981) from staphylococcus epidermidis.3 northeast structural genomics consortium target ser100
99	d1kw3b1	Alignment	not modelled	7.4	25 Fold: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Superfamily: Glyoxalase/Bleomycin resistance protein/Dihydroxybiphenyl dioxygenase Family: Extradiol dioxygenases