


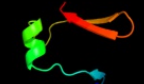
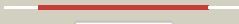
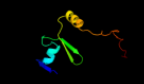

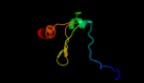






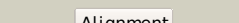

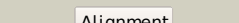



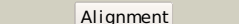

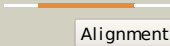

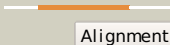

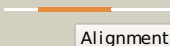

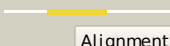

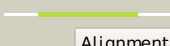

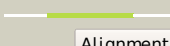

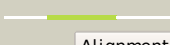
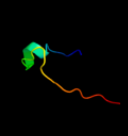




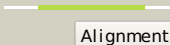
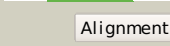
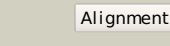
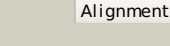

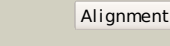
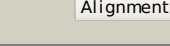
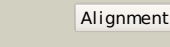


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1ub4c_	 Alignment		100.0	100	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: Kis/PemI addiction antidote
2	d1mvfd_	 Alignment		99.7	100	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: Kis/PemI addiction antidote
3	c3zvkg_	 Alignment		99.0	16	PDB header: antitoxin/toxin/dna Chain: G: PDB Molecule: antitoxin of toxin-antitoxin system vapb; PDBTitle: crystal structure of vapbc2 from rickettsia felis bound to2 a dna fragment from their promoter
4	c3tnf_	 Alignment		98.4	29	PDB header: translation, toxin Chain: F: PDB Molecule: antitoxin vapb; PDBTitle: crystal structure of shigella flexneri vapbc toxin-antitoxin complex
5	d1yfa1	 Alignment		97.0	28	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: AbrB N-terminal domain-like
6	d2fy9a1	 Alignment		96.9	22	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: AbrB N-terminal domain-like
7	c2w1tb_	 Alignment		96.5	20	PDB header: transcription Chain: B: PDB Molecule: stage v sporulation protein t; PDBTitle: crystal structure of b. subtilis spovt
8	c2l66B_	 Alignment		96.2	24	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulator, abrb family; PDBTitle: the dna-recognition fold of sso7c4 suggests a new member of spovt-abrb2 superfamily from archaea.
9	c2ro5B_	 Alignment		95.7	21	PDB header: transcription Chain: B: PDB Molecule: stage v sporulation protein t; PDBTitle: rdc-refined solution structure of the n-terminal dna2 recognition domain of the bacillus subtilis transition-3 state regulator spovt
10	c3o27B_	 Alignment		94.2	27	PDB header: dna binding protein Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: the crystal structure of c68 from the hybrid virus-plasmid pssvx
11	c2glwA_	 Alignment		93.3	21	PDB header: transcription Chain: A: PDB Molecule: 92aa long hypothetical protein; PDBTitle: the solution structure of phs018 from pyrococcus horikoshii

12	c2pjhB_	 Alignment		85.2	24	PDB header: transport protein Chain: B: PDB Molecule: transitional endoplasmic reticulum atpase; PDBTitle: strctural model of the p97 n domain- npl4 ubd complex
13	d2d9ra1	 Alignment		85.1	17	Fold: Double-split beta-barrel Superfamily: AF2212/PG0164-like Family: PG0164-like
14	c1cz5A_	 Alignment		81.9	35	PDB header: hydrolase Chain: A: PDB Molecule: vcp-like atpase; PDBTitle: nmr structure of vat-n: the n-terminal domain of vat (vcp-2 like atpase of thermoplasma)
15	d1cz5a1	 Alignment		78.9	32	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Cdc48 N-terminal domain-like
16	d2iv2x1	 Alignment		69.1	16	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
17	d2jioa1	 Alignment		63.7	13	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
18	d2vbua1	 Alignment		62.0	28	Fold: Reductase/isomerase/elongation factor common domain Superfamily: Riboflavin kinase-like Family: CTP-dependent riboflavin kinase-like
19	d1e32a1	 Alignment		62.0	22	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Cdc48 N-terminal domain-like
20	d1h0ha1	 Alignment		61.5	23	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
21	c1w1fA_	 Alignment	not modelled	60.2	24	PDB header: protein transport Chain: A: PDB Molecule: peroxisome biogenesis factor 1; PDBTitle: structure of the n-terminal domain of pex1 aaa-atpase:2 characterization of a putative adaptor-binding domain
22	d1vlfm1	 Alignment	not modelled	57.8	16	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
23	d1g8ka1	 Alignment	not modelled	57.5	13	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
24	c2iv2X_	 Alignment	not modelled	57.4	16	PDB header: oxidoreductase Chain: X: PDB Molecule: formate dehydrogenase h; PDBTitle: reinterpretation of reduced form of formate dehydrogenase h2 from e. coli
25	d1ogya1	 Alignment	not modelled	55.0	16	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
26	d1kqfa1	 Alignment	not modelled	54.1	30	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
27	d1eula1	 Alignment	not modelled	54.0	13	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
28	d1zqla1	 Alignment	not modelled	52.4	22	Fold: Sm-like fold Superfamily: GatD N-terminal domain-like Family: GatD N-terminal domain-like
						PDB header: oxidoreductase

29	c2ki8A	Alignment	not modelled	52.1	26	Chain: A: PDB Molecule: tungsten formylmethanofuran dehydrogenase, PDBTitle: solution nmr structure of tungsten formylmethanofuran2 dehydrogenase subunit d from archaeoglobus fulgidus,3 northeast structural genomics consortium target att7
30	d1dmra1	Alignment	not modelled	52.0	13	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
31	d1tmoa1	Alignment	not modelled	51.8	23	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
32	d1y5ia1	Alignment	not modelled	45.1	18	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
33	c2v45A	Alignment	not modelled	44.9	13	PDB header: oxidoreductase Chain: A: PDB Molecule: periplasmic nitrate reductase; PDBTitle: a new catalytic mechanism of periplasmic nitrate reductase2 from desulfovibrio desulfuricans atcc 27774 from3 crystallographic and epr data and based on detailed4 analysis of the sixth ligand
34	c1g8jC	Alignment	not modelled	42.6	13	PDB header: oxidoreductase Chain: C: PDB Molecule: arsenite oxidase; PDBTitle: crystal structure analysis of arsenite oxidase from2 alcaligenes faecalis
35	c3cf1C	Alignment	not modelled	40.3	24	PDB header: transport protein Chain: C: PDB Molecule: transitional endoplasmic reticulum atpase; PDBTitle: structure of p97/vcp in complex with adp/adp.alfx
36	c1h9mB	Alignment	not modelled	39.8	11	PDB header: binding protein Chain: B: PDB Molecule: molybdenum-binding-protein; PDBTitle: two crystal structures of the cytoplasmic molybdate-binding2 protein modg suggest a novel cooperative binding mechanism3 and provide insights into ligand-binding specificity.4 peg-grown form with molybdate bound
37	d3d31a1	Alignment	not modelled	38.0	12	Fold: OB-fold Superfamily: MOP-like Family: ABC-transporter additional domain
38	c1vlfQ	Alignment	not modelled	36.6	16	PDB header: oxidoreductase Chain: Q: PDB Molecule: pyrogallol hydroxytransferase large subunit; PDBTitle: crystal structure of pyrogallol-phloroglucinol2 transhydroxylase from pelobacter acidigallici complexed3 with inhibitor 1,2,4,5-tetrahydroxy-benzene
39	c2nyaF	Alignment	not modelled	34.3	26	PDB header: oxidoreductase Chain: F: PDB Molecule: periplasmic nitrate reductase; PDBTitle: crystal structure of the periplasmic nitrate reductase2 (nap) from escherichia coli
40	c2e7zA	Alignment	not modelled	33.3	16	PDB header: lyase Chain: A: PDB Molecule: acetylene hydratase ahy; PDBTitle: acetylene hydratase from pelobacter acetylenicus
41	c1kqgA	Alignment	not modelled	32.3	30	PDB header: oxidoreductase Chain: A: PDB Molecule: formate dehydrogenase, nitrate-inducible, major subunit; PDBTitle: formate dehydrogenase n from e. coli
42	c2dxbR	Alignment	not modelled	32.2	28	PDB header: hydrolase Chain: R: PDB Molecule: thiocyanate hydrolase subunit gamma; PDBTitle: recombinant thiocyanate hydrolase comprising partially-modified cobalt2 centers
43	c1tmoA	Alignment	not modelled	31.4	23	PDB header: oxidoreductase Chain: A: PDB Molecule: trimethylamine n-oxide reductase; PDBTitle: trimethylamine n-oxide reductase from shewanella massilia
44	c3hu2C	Alignment	not modelled	30.0	24	PDB header: transport protein Chain: C: PDB Molecule: transitional endoplasmic reticulum atpase; PDBTitle: structure of p97 n-d1 r86a mutant in complex with atpgs
45	c1eu1A	Alignment	not modelled	29.5	11	PDB header: oxidoreductase Chain: A: PDB Molecule: dimethyl sulfoxide reductase; PDBTitle: the crystal structure of rhodobacter sphaeroides dimethylsulfoxide2 reductase reveals two distinct molybdenum coordination environments.
46	d1ylea1	Alignment	not modelled	29.5	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: AstA-like
47	c1h5nC	Alignment	not modelled	29.5	13	PDB header: oxidoreductase Chain: C: PDB Molecule: dmsO reductase; PDBTitle: dmsO reductase modified by the presence of dms and air
48	d1v29a	Alignment	not modelled	28.7	29	Fold: Nitrile hydratase alpha chain Superfamily: Nitrile hydratase alpha chain Family: Nitrile hydratase alpha chain
49	c1ogyA	Alignment	not modelled	27.9	16	PDB header: oxidoreductase Chain: A: PDB Molecule: periplasmic nitrate reductase; PDBTitle: crystal structure of the heterodimeric nitrate reductase2 from rhodobacter sphaeroides
50	c2k5hA	Alignment	not modelled	27.9	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved protein; PDBTitle: solution nmr structure of protein encoded by mth693 from2 methanobacterium thermoautotrophicum: northeast structural3 genomics consortium target tt824a
51	d2d6fa1	Alignment	not modelled	27.7	11	Fold: Sm-like fold Superfamily: GatD N-terminal domain-like Family: GatD N-terminal domain-like
52	c1s3sA	Alignment	not modelled	27.3	24	PDB header: protein binding Chain: A: PDB Molecule: transitional endoplasmic reticulum atpase (ter PDBTitle: crystal structure of aaa atpase p97/vcp nd1 in complex

					with2 p47 c
53	c1h0hA_	Alignment	not modelled	27.2	21 PDB header: dehydrogenase Chain: A: PDB Molecule: formate dehydrogenase (large subunit); PDBTitle: tungsten containing formate dehydrogenase from2 desulfovibrio gigas
54	c1y5iA_	Alignment	not modelled	24.6	19 PDB header: oxidoreductase Chain: A: PDB Molecule: respiratory nitrate reductase 1 alpha chain; PDBTitle: the crystal structure of the narghi mutant nari-k86a
55	d1wlfa2	Alignment	not modelled	24.3	18 Fold: Double psi beta-barrel Superfamily: ADC-like Family: Cdc48 N-terminal domain-like
56	c2he4A_	Alignment	not modelled	23.8	13 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: na(+)/h(+) exchange regulatory cofactor nhe-rf2; PDBTitle: the crystal structure of the second pdz domain of human2 nherf-2 (slc9a3r2) interacting with a mode 1 pdz binding3 motif
57	c3qyhG_	Alignment	not modelled	22.9	20 PDB header: lyase Chain: G: PDB Molecule: co-type nitrile hydratase alpha subunit; PDBTitle: crystal structure of co-type nitrile hydratase beta-h711 from2 pseudomonas putida.
58	d2i6va1	Alignment	not modelled	22.6	27 Fold: PDZ domain-like Superfamily: PDZ domain-like Family: EpsC C-terminal domain-like
59	d1h9ma1	Alignment	not modelled	21.6	17 Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
60	c3qglD_	Alignment	not modelled	21.6	10 PDB header: protein binding Chain: D: PDB Molecule: sorting nexin-27; PDBTitle: crystal structure of pdz domain of sorting nexin 27 (snx27) in complex2 with the eseskv peptide corresponding to the c-terminal tail of girk3
61	c2fugC_	Alignment	not modelled	21.3	13 PDB header: oxidoreductase Chain: C: PDB Molecule: nadh-quinone oxidoreductase chain 3; PDBTitle: crystal structure of the hydrophilic domain of respiratory complex i2 from thermus thermophilus
62	d1fr3a_	Alignment	not modelled	20.5	16 Fold: OB-fold Superfamily: MOP-like Family: Molybdate/tungstate binding protein MOP
63	c2qt7B_	Alignment	not modelled	20.2	17 PDB header: hydrolase Chain: B: PDB Molecule: receptor-type tyrosine-protein phosphatase-like PDBTitle: crystallographic structure of the mature ectodomain of the2 human receptor-type protein-tyrosine phosphatase ia-2 at3 1.30 angstroms
64	d1h9ma2	Alignment	not modelled	20.2	11 Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
65	d2qda1	Alignment	not modelled	19.7	21 Fold: Nitrile hydratase alpha chain Superfamily: Nitrile hydratase alpha chain Family: Nitrile hydratase alpha chain
66	d2i4sa1	Alignment	not modelled	19.0	27 Fold: PDZ domain-like Superfamily: PDZ domain-like Family: EpsC C-terminal domain-like
67	c2ivfA_	Alignment	not modelled	18.5	15 PDB header: oxidoreductase Chain: A: PDB Molecule: ethylbenzene dehydrogenase alpha- subunit; PDBTitle: ethylbenzene dehydrogenase from aromatoleum aromaticum
68	c3idwA_	Alignment	not modelled	18.5	27 PDB header: endocytosis Chain: A: PDB Molecule: actin cytoskeleton-regulatory complex protein sla1; PDBTitle: crystal structure of sla1 homology domain 2
69	c3d31B_	Alignment	not modelled	16.8	11 PDB header: transport protein Chain: B: PDB Molecule: sulfate/molybdate abc transporter, atp- binding PDBTitle: modbc from methanosarcina acetivorans
70	d1iz6a2	Alignment	not modelled	15.9	18 Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
71	d1guta_	Alignment	not modelled	15.6	17 Fold: OB-fold Superfamily: MOP-like Family: Molybdate/tungstate binding protein MOP
72	c1uheA_	Alignment	not modelled	14.8	19 PDB header: lyase Chain: A: PDB Molecule: aspartate 1-decarboxylase alpha chain; PDBTitle: crystal structure of aspartate decarboxylase, isoasparagine complex
73	d1h9ra1	Alignment	not modelled	14.4	31 Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
74	c3mhbB_	Alignment	not modelled	14.4	17 PDB header: metal transport Chain: B: PDB Molecule: putative ferrous iron transport protein a; PDBTitle: crystal structure of stenotrophomonas maltophilia feoa complexed with2 zinc: a unique procaryotic sh3 domain protein possibly acting as a3 bacterial ferrous iron transport activating factor
75	c2k5lA_	Alignment	not modelled	14.3	17 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: feoa; PDBTitle: solution nmr structure of protein feoa from clostridium2 thermocellum, northeast structural genomics consortium3 target cmr17
76	c2vpyE_	Alignment	not modelled	14.0	26 PDB header: oxidoreductase Chain: E: PDB Molecule: thiosulfate reductase; PDBTitle: polysulfide reductase with bound quinone inhibitor,2 pentachlorophenol (pcp) Fold: OB-fold

77	d1a62a2	Alignment	not modelled	14.0	15	Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
78	d1yela1	Alignment	not modelled	13.4	17	Fold: DNA-binding pseudobarrel domain Superfamily: DNA-binding pseudobarrel domain Family: B3 DNA binding domain
79	c2bkdN	Alignment	not modelled	13.2	33	PDB header: nuclear protein Chain: N: PDB Molecule: fragile x mental retardation 1 protein; PDBTitle: structure of the n-terminal domain of fragile x mental2 retardation protein
80	c2jxoA	Alignment	not modelled	13.1	19	PDB header: protein binding Chain: A: PDB Molecule: ezrin-radixin-moesin-binding phosphoprotein 50; PDBTitle: structure of the second pdz domain of nherf-1
81	c2jiIA	Alignment	not modelled	12.8	19	PDB header: membrane protein Chain: A: PDB Molecule: glutamate receptor interacting protein-1; PDBTitle: crystal structure of 2nd pdz domain of glutamate receptor2 interacting protein-1 (grip1)
82	d1qw1a1	Alignment	not modelled	12.5	23	Fold: SH3-like barrel Superfamily: C-terminal domain of transcriptional repressors Family: FeoA-like
83	d1x5qa1	Alignment	not modelled	12.4	16	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
84	c3plxB	Alignment	not modelled	12.0	23	PDB header: lyase Chain: B: PDB Molecule: aspartate 1-decarboxylase; PDBTitle: the crystal structure of aspartate alpha-decarboxylase from2 campylobacter jejuni subsp. jejuni nctc 11168
85	c3pjyB	Alignment	not modelled	11.8	13	PDB header: transcription regulator Chain: B: PDB Molecule: hypothetical signal peptide protein; PDBTitle: crystal structure of a putative transcription regulator (r01717) from2 sinorhizobium meliloti 1021 at 1.55 a resolution
86	d1udxa3	Alignment	not modelled	11.8	25	Fold: Obg GTP-binding protein C-terminal domain Superfamily: Obg GTP-binding protein C-terminal domain Family: Obg GTP-binding protein C-terminal domain
87	c1vc3B	Alignment	not modelled	11.3	16	PDB header: lyase Chain: B: PDB Molecule: l-aspartate-alpha-decarboxylase heavy chain; PDBTitle: crystal structure of l-aspartate-alpha-decarboxylase
88	d2byga1	Alignment	not modelled	11.3	25	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
89	c1zeqX	Alignment	not modelled	11.0	12	PDB header: metal binding protein Chain: X: PDB Molecule: cation efflux system protein cusf; PDBTitle: 1.5 a structure of apo-cusf residues 6-88 from escherichia2 coli
90	d1zoka1	Alignment	not modelled	10.9	29	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
91	c2kl0A	Alignment	not modelled	10.9	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative thiamin biosynthesis this; PDBTitle: solution nmr structure of rhodopseudomonas palustris rpa3574,2 northeast structural genomics consortium (nesg) target rpr325
92	c1zc1A	Alignment	not modelled	10.9	21	PDB header: protein turnover Chain: A: PDB Molecule: ubiquitin fusion degradation protein 1; PDBTitle: ufd1 exhibits the aaa-atpase fold with two distinct2 ubiquitin interaction sites
93	d1d5ga	Alignment	not modelled	10.9	22	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
94	c2c45F	Alignment	not modelled	10.9	32	PDB header: lyase Chain: F: PDB Molecule: aspartate 1-decarboxylase precursor; PDBTitle: native precursor of pyruvoyl dependent aspartate2 decarboxylase
95	c1qw1A	Alignment	not modelled	10.8	23	PDB header: gene regulation Chain: A: PDB Molecule: diphtheria toxin repressor; PDBTitle: solution structure of the c-terminal domain of dtbx2 residues 110-226
96	d1qvpa	Alignment	not modelled	10.7	21	Fold: SH3-like barrel Superfamily: C-terminal domain of transcriptional repressors Family: FeoA-like
97	c1pt1B	Alignment	not modelled	10.0	13	PDB header: lyase Chain: B: PDB Molecule: aspartate 1-decarboxylase; PDBTitle: unprocessed pyruvoyl dependent aspartate decarboxylase with histidine2 11 mutated to alanine
98	d2gkpa1	Alignment	not modelled	10.0	42	Fold: NMB0488-like Superfamily: NMB0488-like Family: NMB0488-like
99	c3ouga	Alignment	not modelled	9.9	13	PDB header: lyase Chain: A: PDB Molecule: aspartate 1-decarboxylase; PDBTitle: crystal structure of cleaved l-aspartate-alpha-decarboxylase from2 francisella tularensis