


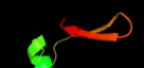
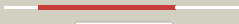

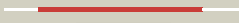














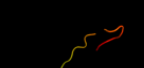


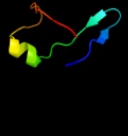

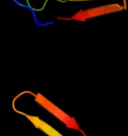



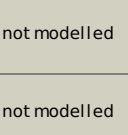


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1ub4c_	 Alignment		99.9	32	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: Kis/PemI addiction antidote
2	d1mvfd_	 Alignment		99.6	36	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: Kis/PemI addiction antidote
3	c3zvkg_	 Alignment		98.6	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	c3tndF_	 Alignment		98.2	20	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	23	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: AbrB N-terminal domain-like
6	d2fy9a1	 Alignment		96.9	21	Fold: Double-split beta-barrel Superfamily: AbrB/MazE/MraZ-like Family: AbrB N-terminal domain-like
7	c2w1tB_	 Alignment		96.8	24	PDB header: transcription Chain: B: PDB Molecule: stage v sporulation protein t; PDBTitle: crystal structure of b. subtilis spovt
8	c2l66B_	 Alignment		96.0	15	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		95.9	28	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	c2glwA_	 Alignment		93.4	21	PDB header: transcription Chain: A: PDB Molecule: 92aa long hypothetical protein; PDBTitle: the solution structure of phs018 from pyrococcus horikoshii
11	c3o27B_	 Alignment		93.1	17	PDB header: dna binding protein Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: the crystal structure of c68 from the hybrid virus-plasmid pssvx

12	c2pjhB_	Alignment		83.2	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	clcz5A_	Alignment		77.2	23	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)
14	d2d9ra1	Alignment		76.0	22	Fold: Double-split beta-barrel Superfamily: AF2212/PG0164-like Family: PG0164-like
15	d1cz5a1	Alignment		72.6	18	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Cdc48 N-terminal domain-like
16	d1h0ha1	Alignment		59.5	10	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
17	d2jioa1	Alignment		59.3	16	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
18	d2iv2x1	Alignment		58.9	14	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
19	d1zqla1	Alignment		56.5	19	Fold: Sm-like fold Superfamily: GatD N-terminal domain-like Family: GatD N-terminal domain-like
20	c1h9mB_	Alignment		55.9	29	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
21	d1vlfm1	Alignment	not modelled	52.8	19	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
22	d2vbua1	Alignment	not modelled	52.3	16	Fold: Reductase/isomerase/elongation factor common domain Superfamily: Riboflavin kinase-like Family: CTP-dependent riboflavin kinase-like
23	d1g8ka1	Alignment	not modelled	52.1	16	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
24	d1e32a1	Alignment	not modelled	51.7	17	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Cdc48 N-terminal domain-like
25	d3d31a1	Alignment	not modelled	46.4	19	Fold: OB-fold Superfamily: MOP-like Family: ABC-transporter additional domain
26	d1tmoa1	Alignment	not modelled	45.3	19	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
27	d1eu1a1	Alignment	not modelled	45.1	10	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
28	d1ogya1	Alignment	not modelled	44.1	10	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
						Fold: Double psi beta-barrel

29	d1kqfa1	Alignment	not modelled	43.9	9	Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
30	c2ki8A	Alignment	not modelled	43.5	19	PDB header: oxidoreductase 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
31	d1h9ma1	Alignment	not modelled	42.7	26	Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
32	c2iv2X	Alignment	not modelled	42.4	14	PDB header: oxidoreductase Chain: X: PDB Molecule: formate dehydrogenase h; PDBTitle: reinterpretation of reduced form of formate dehydrogenase h2 from e. coli
33	c1wlfA	Alignment	not modelled	41.9	23	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
34	d1h9ma2	Alignment	not modelled	38.6	29	Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
35	d1dmra1	Alignment	not modelled	38.4	10	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
36	d1y5ia1	Alignment	not modelled	37.3	18	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Formate dehydrogenase/DMSO reductase, C-terminal domain
37	d1fr3a	Alignment	not modelled	36.6	24	Fold: OB-fold Superfamily: MOP-like Family: Molybdate/tungstate binding protein MOP
38	c2v45A	Alignment	not modelled	33.3	16	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
39	c2k5IA	Alignment	not modelled	33.1	10	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
40	d1wlfa2	Alignment	not modelled	28.3	23	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Cdc48 N-terminal domain-like
41	c1g8jC	Alignment	not modelled	27.9	15	PDB header: oxidoreductase Chain: C: PDB Molecule: arsenite oxidase; PDBTitle: crystal structure analysis of arsenite oxidase from2 alcaligenes faecalis
42	d1guta	Alignment	not modelled	27.4	23	Fold: OB-fold Superfamily: MOP-like Family: Molybdate/tungstate binding protein MOP
43	d1h9ra1	Alignment	not modelled	27.0	17	Fold: OB-fold Superfamily: MOP-like Family: BiMOP, duplicated molybdate-binding domain
44	d2d6fa1	Alignment	not modelled	26.0	8	Fold: Sm-like fold Superfamily: GatD N-terminal domain-like Family: GatD N-terminal domain-like
45	c2nyaF	Alignment	not modelled	25.2	19	PDB header: oxidoreductase Chain: F: PDB Molecule: periplasmic nitrate reductase; PDBTitle: crystal structure of the periplasmic nitrate reductase2 (nap) from escherichia coli
46	c3cf1C	Alignment	not modelled	24.6	24	PDB header: transport protein Chain: C: PDB Molecule: transitional endoplasmic reticulum atpase; PDBTitle: structure of p97/vcp in complex with adp/adp.alfx
47	c1vlfQ	Alignment	not modelled	23.6	19	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
48	c2e7zA	Alignment	not modelled	23.6	16	PDB header: lyase Chain: A: PDB Molecule: acetylene hydratase ahy; PDBTitle: acetylene hydratase from pelobacter acetylenicus
49	d1ylea1	Alignment	not modelled	23.1	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: AstA-like
50	c1kqgA	Alignment	not modelled	22.8	10	PDB header: oxidoreductase Chain: A: PDB Molecule: formate dehydrogenase, nitrate-inducible, major subunit; PDBTitle: formate dehydrogenase n from e. coli
51	c1qw1A	Alignment	not modelled	22.6	17	PDB header: gene regulation Chain: A: PDB Molecule: diphtheria toxin repressor; PDBTitle: solution structure of the c-terminal domain of dbx2 residues 110-226
52	c3d31B	Alignment	not modelled	22.3	19	PDB header: transport protein Chain: B: PDB Molecule: sulfate/molybdate abc transporter, atp-binding PDBTitle: modbc from methanosarcina acetivorans
53	c2k5hA	Alignment	not modelled	21.9	15	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
54	c1eu1A_	Alignment	not modelled	21.7	10	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.
55	c2he4A_	Alignment	not modelled	21.5	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
56	c1tmoA_	Alignment	not modelled	20.9	19	PDB header: oxidoreductase Chain: A: PDB Molecule: trimethylamine n-oxide reductase; PDBTitle: trimethylamine n-oxide reductase from shewanella massilia
57	c3qglD_	Alignment	not modelled	20.6	16	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 eseksv peptide corresponding to the c-terminal tail of girk3
58	c1y5iA_	Alignment	not modelled	20.5	18	PDB header: oxidoreductase Chain: A: PDB Molecule: respiratory nitrate reductase 1 alpha chain; PDBTitle: the crystal structure of the narghi mutant nari-k86a
59	c1h0hA_	Alignment	not modelled	20.4	10	PDB header: dehydrogenase Chain: A: PDB Molecule: formate dehydrogenase (large subunit); PDBTitle: tungsten containing formate dehydrogenase from2 desulfovibrio gigas
60	c1s3sA_	Alignment	not modelled	19.5	19	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
61	c1ogyA_	Alignment	not modelled	18.6	10	PDB header: oxidoreductase Chain: A: PDB Molecule: periplasmic nitrate reductase; PDBTitle: crystal structure of the heterodimeric nitrate reductase2 from rhodobacter sphaeroides
62	c1h5nC_	Alignment	not modelled	18.5	10	PDB header: oxidoreductase Chain: C: PDB Molecule: dmsO reductase; PDBTitle: dmsO reductase modified by the presence of dms and air
63	c3hu2C_	Alignment	not modelled	18.3	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
64	c2k4yA_	Alignment	not modelled	17.2	13	PDB header: metal transport Chain: A: PDB Molecule: feoA-like protein; PDBTitle: nmr structure of feoA-like protein from clostridium2 acetobutylicum: northeast structural genomics consortium3 target car178
65	d1a62a2	Alignment	not modelled	17.1	11	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
66	c2jiIA_	Alignment	not modelled	16.8	31	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)
67	c1zeqX_	Alignment	not modelled	16.4	21	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
68	c2dxBR_	Alignment	not modelled	16.4	29	PDB header: hydrolase Chain: R: PDB Molecule: thiocyanate hydrolase subunit gamma; PDBTitle: recombinant thiocyanate hydrolase comprising partially-modified cobalt2 centers
69	c1uheA_	Alignment	not modelled	16.2	26	PDB header: lyase Chain: A: PDB Molecule: aspartate 1-decarboxylase alpha chain; PDBTitle: crystal structure of aspartate decarboxylase, isoasparagine complex
70	d2exda1	Alignment	not modelled	16.2	25	Fold: OB-fold Superfamily: NfeD domain-like Family: NfeD domain-like
71	d2byga1	Alignment	not modelled	15.4	31	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
72	d1qvpa_	Alignment	not modelled	14.5	17	Fold: SH3-like barrel Superfamily: C-terminal domain of transcriptional repressors Family: FeoA-like
73	d1qw1a1	Alignment	not modelled	14.3	18	Fold: SH3-like barrel Superfamily: C-terminal domain of transcriptional repressors Family: FeoA-like
74	d1v29a_	Alignment	not modelled	13.6	30	Fold: Nitrile hydratase alpha chain Superfamily: Nitrile hydratase alpha chain Family: Nitrile hydratase alpha chain
75	c2qt7B_	Alignment	not modelled	13.6	16	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
76	c2fugC_	Alignment	not modelled	13.5	10	PDB header: oxidoreductase Chain: C: PDB Molecule: nahd-quinone oxidoreductase chain 3; PDBTitle: crystal structure of the hydrophilic domain of respiratory complex i2 from thermus thermophilus
77	c3idwA_	Alignment	not modelled	13.5	33	PDB header: endocytosis Chain: A: PDB Molecule: actin cytoskeleton-regulatory complex protein sla1; PDBTitle: crystal structure of sla1 homology domain 2
						Fold: PDZ domain-like

78	d2i6va1	Alignment	not modelled	13.2	20	Superfamily: PDZ domain-like Family: EpsC C-terminal domain-like
79	c3piyB	Alignment	not modelled	13.0	22	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
80	c3qyhG	Alignment	not modelled	12.9	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.
81	d2fe5a1	Alignment	not modelled	12.9	38	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
82	d2qda1	Alignment	not modelled	12.8	20	Fold: Nitrile hydratase alpha chain Superfamily: Nitrile hydratase alpha chain Family: Nitrile hydratase alpha chain
83	c3plxB	Alignment	not modelled	12.7	13	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
84	c2ivfA	Alignment	not modelled	12.5	9	PDB header: oxidoreductase Chain: A: PDB Molecule: ethylbenzene dehydrogenase alpha-subunit; PDBTitle: ethylbenzene dehydrogenase from aromatoleum aromaticum
85	c1vc3B	Alignment	not modelled	12.0	16	PDB header: lyase Chain: B: PDB Molecule: l-aspartate-alpha-decarboxylase heavy chain; PDBTitle: crystal structure of l-aspartate-alpha-decarboxylase
86	c2c45F	Alignment	not modelled	12.0	23	PDB header: lyase Chain: F: PDB Molecule: aspartate 1-decarboxylase precursor; PDBTitle: native precursor of pyruvoyl dependent aspartate2 decarboxylase
87	d1iz6a2	Alignment	not modelled	11.9	21	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
88	c2komA	Alignment	not modelled	11.5	31	PDB header: signaling protein Chain: A: PDB Molecule: partitioning defective 3 homolog; PDBTitle: solution structure of humar par-3b pdz2 (residues 451-549)
89	d1x5qa1	Alignment	not modelled	11.3	25	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
90	d2i4sa1	Alignment	not modelled	11.3	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: EpsC C-terminal domain-like
91	d2cqaa1	Alignment	not modelled	11.3	12	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: TIP49 domain
92	c3m7aA	Alignment	not modelled	11.2	32	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of saro_0823 (yp_496102.1) a protein of2 unknown function from novosphingobium aromaticivorans dsm3 12444 at 1.22 a resolution
93	c2jxoA	Alignment	not modelled	11.1	19	PDB header: protein binding Chain: A: PDB Molecule: ezrin-radixin-moesin-binding phosphoprotein 50; PDBTitle: structure of the second pdz domain of nhurf-1
94	c3ougA	Alignment	not modelled	11.1	23	PDB header: lyase Chain: A: PDB Molecule: aspartate 1-decarboxylase; PDBTitle: crystal structure of cleaved l-aspartate-alpha-decarboxylase from2 francisella tularensis
95	d1zoka1	Alignment	not modelled	11.1	35	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
96	d1dgsa2	Alignment	not modelled	10.8	16	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: DNA ligase/mRNA capping enzyme postcatalytic domain
97	c1pt1B	Alignment	not modelled	10.7	6	PDB header: lyase Chain: B: PDB Molecule: aspartate 1-decarboxylase; PDBTitle: unprocessed pyruvoyl dependent aspartate decarboxylase with histidine2 11 mutated to alanine
98	d1ppya	Alignment	not modelled	10.6	6	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Pyruvoyl dependent aspartate decarboxylase, ADC
99	d1yela1	Alignment	not modelled	10.5	13	Fold: DNA-binding pseudobarrel domain Superfamily: DNA-binding pseudobarrel domain Family: B3 DNA binding domain