



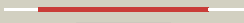


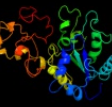














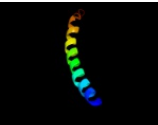







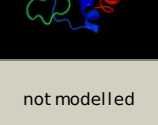


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3rgwS_	 Alignment		100.0	41	PDB header: oxidoreductase/oxidoreductase Chain: S: PDB Molecule: membrane-bound hydrogenase (nife) small subunit hoxk; PDBTitle: crystal structure at 1.5 a resolution of an h2-reduced, o2-tolerant2 hydrogenase from ralstonia eutropha unmasks a novel iron-sulfur3 cluster
2	c3myrE_	 Alignment		100.0	48	PDB header: oxidoreductase Chain: E: PDB Molecule: hydrogenase (nife) small subunit hyda; PDBTitle: crystal structure of [nife] hydrogenase from allochromatium vinosum in2 its ni-a state
3	dlwuis1	 Alignment		100.0	45	Fold: HydA/Nqo6-like Superfamily: HydA/Nqo6-like Family: Nickel-iron hydrogenase, small subunit
4	c1h2aS_	 Alignment		100.0	45	PDB header: oxidoreductase Chain: S: PDB Molecule: hydrogenase; PDBTitle: single crystals of hydrogenase from desulfovibrio vulgaris
5	dlfrfs_	 Alignment		100.0	47	Fold: HydA/Nqo6-like Superfamily: HydA/Nqo6-like Family: Nickel-iron hydrogenase, small subunit
6	dle3da_	 Alignment		100.0	42	Fold: HydA/Nqo6-like Superfamily: HydA/Nqo6-like Family: Nickel-iron hydrogenase, small subunit
7	dlvq9a1	 Alignment		100.0	45	Fold: HydA/Nqo6-like Superfamily: HydA/Nqo6-like Family: Nickel-iron hydrogenase, small subunit
8	dlcc1s_	 Alignment		100.0	37	Fold: HydA/Nqo6-like Superfamily: HydA/Nqo6-like Family: Nickel-iron hydrogenase, small subunit
9	c2wpaA_	 Alignment		100.0	39	PDB header: oxidoreductase Chain: A: PDB Molecule: periplasmic [nifese] hydrogenase, small subunit; PDBTitle: structure of the oxidised, as-isolated nifese hydrogenase2 from d. vulgaris hildenborough
10	d2fug61	 Alignment		99.6	22	Fold: HydA/Nqo6-like Superfamily: HydA/Nqo6-like Family: Nqo6-like
11	c2g4rB_	 Alignment		90.5	15	PDB header: biosynthetic protein Chain: B: PDB Molecule: molybdopterin biosynthesis mog protein; PDBTitle: anomalous substructure of moga

12	c2e76D_	Alignment		85.5	18	PDB header: photosynthesis Chain: D: PDB Molecule: cytochrome b6-f complex iron-sulfur subunit; PDBTitle: crystal structure of the cytochrome b6f complex with tridecyl-2 stigmatellin (tds) from m.laminosus
13	d2nqra3	Alignment		84.5	14	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
14	c2is8A_	Alignment		84.2	13	PDB header: structural protein Chain: A: PDB Molecule: molybdopterin biosynthesis enzyme, moab; PDBTitle: crystal structure of the molybdopterin biosynthesis enzyme moab2 (ttha0341) from thermus thermophilus hb8
15	d1y5ea1	Alignment		83.8	9	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like
16	c2pq4B_	Alignment		82.8	60	PDB header: chaperone/oxidoreductase Chain: B: PDB Molecule: periplasmic nitrate reductase precursor; PDBTitle: nmr solution structure of napd in complex with napa1-352 signal peptide
17	c2fynO_	Alignment		82.3	23	PDB header: oxidoreductase Chain: O: PDB Molecule: ubiquinol-cytochrome c reductase iron-sulfur PDBTitle: crystal structure analysis of the double mutant rhodobacter2 sphaeroides bc1 complex
18	d1xi8a3	Alignment		81.1	13	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
19	d2ftsa3	Alignment		80.1	14	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
20	c2pjka_	Alignment		77.6	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: 178aa long hypothetical molybdenum cofactor PDBTitle: structure of hypothetical molybdenum cofactor biosynthesis2 protein b from sulfolobus tokodaii
21	c1p84E_	Alignment	not modelled	76.7	3	PDB header: oxidoreductase Chain: E: PDB Molecule: ubiquinol-cytochrome c reductase iron-sulfur PDBTitle: hdbt inhibited yeast cytochrome bc1 complex
22	d1jlja_	Alignment	not modelled	73.0	11	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like
23	c2fu3A_	Alignment	not modelled	72.2	14	PDB header: biosynthetic protein/structural protein Chain: A: PDB Molecule: gephyrin; PDBTitle: crystal structure of gephyrin e-domain
24	c2nqqA_	Alignment	not modelled	71.2	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: molybdopterin biosynthesis protein moea; PDBTitle: moea r137q
25	d1ovma1	Alignment	not modelled	70.6	18	Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
26	d1uuya_	Alignment	not modelled	65.5	11	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like
27	d1uz5a3	Alignment	not modelled	64.2	21	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
28	c2fyuE_	Alignment	not modelled	62.4	14	PDB header: oxidoreductase Chain: E: PDB Molecule: ubiquinol-cytochrome c reductase iron-sulfur subunit; PDBTitle: crystal structure of bovine heart mitochondrial bc1 with jg1442 inhibitor
29	d1mkza_	Alignment	not modelled	60.1	9	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins

					Family: MogA-like
30	c3rfqC_	Alignment	not modelled	58.9	14 PDB header: biosynthetic protein Chain: C: PDB Molecule: pterin-4-alpha-carbinolamine dehydratase moab2; PDBTitle: crystal structure of pterin-4-alpha-carbinolamine dehydratase moab22 from mycobacterium marinum
31	d2h1qa1	Alignment	not modelled	57.5	14 Fold: PLP-dependent transferase-like Superfamily: Dhaf3308-like Family: Dhaf3308-like
32	c2wcvl_	Alignment	not modelled	57.2	24 PDB header: isomerase Chain: I: PDB Molecule: l-fucose mutarotase; PDBTitle: crystal structure of bacterial fucu
33	d1pvda1	Alignment	not modelled	54.1	16 Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
34	d2g2ca1	Alignment	not modelled	52.8	11 Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like
35	dlik6a2	Alignment	not modelled	51.4	16 Fold: TK C-terminal domain-like Superfamily: TK C-terminal domain-like Family: Branched-chain alpha-keto acid dehydrogenase beta-subunit, C-terminal-domain
36	d2djia1	Alignment	not modelled	50.1	16 Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
37	c3ilhA_	Alignment	not modelled	50.1	17 PDB header: transcription regulator Chain: A: PDB Molecule: two component response regulator; PDBTitle: crystal structure of two component response regulator from cytophaga2 hutchinsonii
38	d1zpdal	Alignment	not modelled	49.5	20 Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
39	dlogda_	Alignment	not modelled	49.3	16 Fold: RbsD-like Superfamily: RbsD-like Family: RbsD-like
40	c3e7nB_	Alignment	not modelled	48.6	28 PDB header: transport protein Chain: B: PDB Molecule: d-ribose high-affinity transport system; PDBTitle: crystal structure of d-ribose high-affinity transport system from2 salmonella typhimurium lt2
41	d2f7wa1	Alignment	not modelled	46.5	17 Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like
42	d1wu2a3	Alignment	not modelled	41.6	14 Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
43	d2ob5a1	Alignment	not modelled	40.7	20 Fold: RbsD-like Superfamily: RbsD-like Family: RbsD-like
44	c3mvkA_	Alignment	not modelled	40.1	20 PDB header: isomerase Chain: A: PDB Molecule: protein fucu; PDBTitle: the crystal structure of fucu from bifidobacterium longum to 1.65a
45	d1ozha1	Alignment	not modelled	36.6	18 Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
46	c1ovmC_	Alignment	not modelled	36.4	18 PDB header: lyase Chain: C: PDB Molecule: indole-3-pyruvate decarboxylase; PDBTitle: crystal structure of indolepyruvate decarboxylase from2 enterobacter cloacae
47	c2wcuB_	Alignment	not modelled	36.1	24 PDB header: isomerase Chain: B: PDB Molecule: protein fucu homolog; PDBTitle: crystal structure of mammalian fucu
48	d1t9ba1	Alignment	not modelled	34.1	25 Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
49	d2r25b1	Alignment	not modelled	34.0	12 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
50	d1qopa_	Alignment	not modelled	33.6	16 Fold: TIM beta/alpha-barrel Superfamily: Ribulose-phosphate binding barrel Family: Tryptophan biosynthesis enzymes
51	c3a52A_	Alignment	not modelled	30.9	29 PDB header: hydrolase Chain: A: PDB Molecule: cold-active alkaline phosphatase; PDBTitle: crystal structure of cold-active alkaline phosphatase from2 psychrophile shewanella sp.
52	c1uz5A_	Alignment	not modelled	26.8	19 PDB header: molybdopterin biosynthesis Chain: A: PDB Molecule: 402aa long hypothetical molybdopterin PDBTitle: the crystal structure of molybdopterin biosynthesis moea2 protein from pyrococcus horikosii
53	d1y6va1	Alignment	not modelled	26.6	21 Fold: Alkaline phosphatase-like Superfamily: Alkaline phosphatase-like Family: Alkaline phosphatase
54	d1k7ha_	Alignment	not modelled	25.3	17 Fold: Alkaline phosphatase-like Superfamily: Alkaline phosphatase-like Family: Alkaline phosphatase
55	c2x98A_	Alignment	not modelled	25.0	21 PDB header: hydrolase Chain: A: PDB Molecule: alkaline phosphatase; PDBTitle: h.salinarum alkaline phosphatase
56	d1xhja_	Alignment	not modelled	24.4	19 Fold: Alpha-lytic protease prodomain-like Superfamily: Fe-S cluster assembly (FSCA) domain-like

						Family: NifU C-terminal domain-like
57	c3e2dB	Alignment	not modelled	23.7	17	PDB header: hydrolase Chain: B: PDB Molecule: alkaline phosphatase; PDBTitle: the 1.4 a crystal structure of the large and cold-active2 vibrio sp. alkaline phosphatase
58	d2g39a1	Alignment	not modelled	23.5	15	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: CoA transferase alpha subunit-like
59	c3uhjE	Alignment	not modelled	22.2	17	PDB header: oxidoreductase Chain: E: PDB Molecule: probable glycerol dehydrogenase; PDBTitle: crystal structure of a probable glycerol dehydrogenase from2 sinorhizobium meliloti 1021
60	c2jnvA	Alignment	not modelled	21.6	24	PDB header: metal transport Chain: A: PDB Molecule: nifu-like protein 1, chloroplast; PDBTitle: solution structure of c-terminal domain of nifu-like2 protein from oryza sativa
61	c1ew2A	Alignment	not modelled	19.9	21	PDB header: hydrolase Chain: A: PDB Molecule: phosphatase; PDBTitle: crystal structure of a human phosphatase
62	d1zeda1	Alignment	not modelled	19.9	21	Fold: Alkaline phosphatase-like Superfamily: Alkaline phosphatase-like Family: Alkaline phosphatase
63	c2iucB	Alignment	not modelled	19.7	8	PDB header: hydrolase Chain: B: PDB Molecule: alkaline phosphatase; PDBTitle: structure of alkaline phosphatase from the antarctic2 bacterium tab5
64	c2kveA	Alignment	not modelled	19.6	56	PDB header: hormone Chain: A: PDB Molecule: mesencephalic astrocyte-derived neurotrophic factor; PDBTitle: c-terminal domain of mesencephalic astrocyte-derived neurotrophic2 factor (manf)
65	c2zwmA	Alignment	not modelled	19.4	25	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein yycf; PDBTitle: crystal structure of yycf receiver domain from bacillus2 subtilis
66	c2oasA	Alignment	not modelled	18.6	26	PDB header: transferase Chain: A: PDB Molecule: 4-hydroxybutyrate coenzyme a transferase; PDBTitle: crystal structure of 4-hydroxybutyrate coenzyme a transferase (atoa)2 in complex with coa from shewanella oneidensis, northeast structural3 genomics target sor119.
67	c3nhzA	Alignment	not modelled	17.3	16	PDB header: dna binding protein Chain: A: PDB Molecule: two component system transcriptional regulator mtra; PDBTitle: structure of n-terminal domain of mtra
68	d2g2xa1	Alignment	not modelled	16.9	15	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
69	c3iv7B	Alignment	not modelled	16.6	13	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase iv; PDBTitle: crystal structure of iron-containing alcohol dehydrogenase2 (np_602249.1) from corynebacterium glutamicum atcc 13032 kitasato at3 2.07 a resolution
70	d2ez9a1	Alignment	not modelled	15.6	14	Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
71	c2r8bA	Alignment	not modelled	15.1	9	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein atu2452; PDBTitle: the crystal structure of the protein atu2452 of unknown function from2 agrobacterium tumefaciens str. c58
72	d1kgsa2	Alignment	not modelled	14.5	20	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
73	d1ys7a2	Alignment	not modelled	14.4	21	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
74	d1xhfa1	Alignment	not modelled	14.2	21	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
75	d1ofcx1	Alignment	not modelled	14.0	31	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain
76	c3fq6A	Alignment	not modelled	12.7	25	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: the crystal structure of a methyltransferase domain from bacteroides2 thetaiotaomicron vpi
77	c3eh7A	Alignment	not modelled	12.4	28	PDB header: transferase Chain: A: PDB Molecule: 4-hydroxybutyrate coa-transferase; PDBTitle: the structure of a putative 4-hydroxybutyrate coa-transferase from2 porphyromonas gingivalis w83
78	c2zayA	Alignment	not modelled	12.4	13	PDB header: signaling protein Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator from desulfuromonas2 acetoxidans
79	c2ju5A	Alignment	not modelled	11.7	22	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin disulfide isomerase; PDBTitle: dsbh oxidoreductase
80	d1zh2a1	Alignment	not modelled	11.6	15	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
81	d1peya	Alignment	not modelled	11.5	23	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
						PDB header: hydrolase

82	c2w0yB_	Alignment	not modelled	11.1	12	Chain: B: PDB Molecule: alkaline phosphatase; PDBTitle: h.salinarum alkaline phosphatase
83	c2nvvF_	Alignment	not modelled	11.0	18	PDB header: hydrolase Chain: F: PDB Molecule: acetyl-coa hydrolase/transferase family protein; PDBTitle: crystal structure of the putative acetyl-coa hydrolase/transferase2 pg1013 from porphyromonas gingivalis, northeast structural genomics3 target pgr16.
84	d1evsa_	Alignment	not modelled	10.9	33	Fold: 4-helical cytokines Superfamily: 4-helical cytokines Family: Long-chain cytokines
85	c2qvgA_	Alignment	not modelled	10.7	15	PDB header: transferase Chain: A: PDB Molecule: two component response regulator; PDBTitle: the crystal structure of a two-component response regulator2 from legionella pneumophila
86	c2j48A_	Alignment	not modelled	10.5	18	PDB header: transferase Chain: A: PDB Molecule: two-component sensor kinase; PDBTitle: nmr structure of the pseudo-receiver domain of the cika2 protein.
87	c2z1dA_	Alignment	not modelled	10.1	27	PDB header: metal binding protein Chain: A: PDB Molecule: hydrogenase expression/formation protein hypd; PDBTitle: crystal structure of [nife] hydrogenase maturation protein, hypd from2 thermococcus kodakaraensis
88	d1z6na1	Alignment	not modelled	10.0	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
89	c3d3uA_	Alignment	not modelled	9.9	30	PDB header: transferase Chain: A: PDB Molecule: 4-hydroxybutyrate coa-transferase; PDBTitle: crystal structure of 4-hydroxybutyrate coa-transferase (abft-2) from2 porphyromonas gingivalis. northeast structural genomics consortium3 target pgr26
90	d1c4ea_	Alignment	not modelled	9.8	34	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Gurmarin-like Family: Gurmarin, a sweet taste-suppressing polypeptide
91	c3gk7A_	Alignment	not modelled	9.8	23	PDB header: transferase Chain: A: PDB Molecule: 4-hydroxybutyrate coa-transferase; PDBTitle: crystal structure of 4-hydroxybutyrate coa-transferase from2 clostridium aminobutyricum
92	d2a9pa1	Alignment	not modelled	9.7	19	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
93	d1uhua_	Alignment	not modelled	9.6	16	Fold: Retroviral matrix proteins Superfamily: Retroviral matrix proteins Family: MLLV matrix protein-like
94	d1omba_	Alignment	not modelled	9.6	43	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: omega toxin-like Family: Spider toxins
95	d2f6ma1	Alignment	not modelled	9.5	21	Fold: Long alpha-hairpin Superfamily: Endosomal sorting complex assembly domain Family: VPS23 C-terminal domain
96	d2ar1a1	Alignment	not modelled	9.4	12	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
97	d1xwdb1	Alignment	not modelled	9.0	25	Fold: Cystine-knot cytokines Superfamily: Cystine-knot cytokines Family: Gonadotropin/Follitropin
98	c2omkB_	Alignment	not modelled	9.0	19	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: structure of the bacteroides thetaiotaomicron thiamin2 pyrophosphokinase
99	c3jteA_	Alignment	not modelled	9.0	20	PDB header: protein binding Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator receiver domain2 protein from clostridium thermocellum