



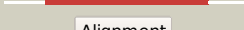

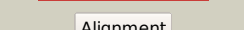
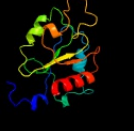
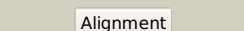





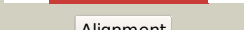



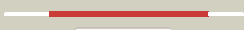



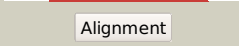




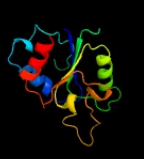
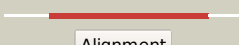











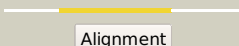
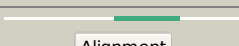
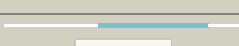
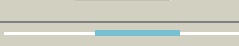
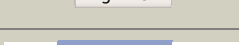
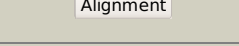
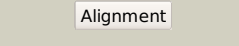
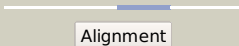


# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0082 (- )_89921_90400
Date	Tue Jul 23 14:50:11 BST 2019
Unique Job ID	85ab38ee423928b0

Detailed template  
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6gcsK_</a>	 Alignment		100.0	37	<b>PDB header:</b> oxidoreductase <b>Chain:</b> K; <b>PDB Molecule:</b> psst subunit (nukm); <b>PDBTitle:</b> cryo-em structure of respiratory complex i from yarrowia lipolytica
2	<a href="#">c6humK_</a>	 Alignment		100.0	38	<b>PDB header:</b> proton transport <b>Chain:</b> K; <b>PDB Molecule:</b> nad(p)h-quinone oxidoreductase subunit k; <b>PDBTitle:</b> structure of the photosynthetic complex i from thermosynechococcus2 elongatus
3	<a href="#">c5lc5B_</a>	 Alignment		100.0	37	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B; <b>PDB Molecule:</b> nadh dehydrogenase [ubiquinone] iron-sulfur protein 7, <b>PDBTitle:</b> structure of mammalian respiratory complex i, class2
4	<a href="#">c6cfwj_</a>	 Alignment		100.0	44	<b>PDB header:</b> membrane protein <b>Chain:</b> J; <b>PDB Molecule:</b> probable membrane-bound hydrogenase subunit mbhj; <b>PDBTitle:</b> cryoem structure of a respiratory membrane-bound hydrogenase
5	<a href="#">d2fug61</a>	 Alignment		100.0	39	<b>Fold:</b> HydA/Nqo6-like <b>Superfamily:</b> HydA/Nqo6-like <b>Family:</b> Nq06-like
6	<a href="#">d1frfs_</a>	 Alignment		100.0	22	<b>Fold:</b> HydA/Nqo6-like <b>Superfamily:</b> HydA/Nqo6-like <b>Family:</b> Nickel-iron hydrogenase, small subunit
7	<a href="#">c5odiE_</a>	 Alignment		100.0	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> E; <b>PDB Molecule:</b> methyl-viologen reducing hydrogenase, subunit g; <b>PDBTitle:</b> heterodisulfide reductase / [nife]-hydrogenase complex from2 methanothermococcus thermolithotrophicus cocrystallized with com-sh
8	<a href="#">c5xf9G_</a>	 Alignment		100.0	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> G; <b>PDB Molecule:</b> nad-reducing hydrogenase; <b>PDBTitle:</b> crystal structure of nad+-reducing [nife]-hydrogenase in the air-2 oxidized state
9	<a href="#">d1e3da_</a>	 Alignment		100.0	19	<b>Fold:</b> HydA/Nqo6-like <b>Superfamily:</b> HydA/Nqo6-like <b>Family:</b> Nickel-iron hydrogenase, small subunit
10	<a href="#">c6ehqT_</a>	 Alignment		100.0	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> T; <b>PDB Molecule:</b> hydrogenase-2 small chain; <b>PDBTitle:</b> e. coli hydrogenase-2 (as isolated form).
11	<a href="#">d1wuis1</a>	 Alignment		100.0	25	<b>Fold:</b> HydA/Nqo6-like <b>Superfamily:</b> HydA/Nqo6-like <b>Family:</b> Nickel-iron hydrogenase, small subunit

12	<a href="#">c1h2aS_</a>	 Alignment		100.0	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> S: <b>PDB Molecule:</b> hydrogenase; <b>PDBTitle:</b> single crystals of hydrogenase from desulfovibrio vulgaris
13	<a href="#">d1cc1s_</a>	 Alignment		100.0	24	<b>Fold:</b> HydA/Nqo6-like <b>Superfamily:</b> HydA/Nqo6-like <b>Family:</b> Nickel-iron hydrogenase, small subunit
14	<a href="#">c3rgwS_</a>	 Alignment		100.0	15	<b>PDB header:</b> oxidoreductase/oxidoreductase <b>Chain:</b> S: <b>PDB Molecule:</b> membrane-bound hydrogenase (nife) small subunit hoxk; <b>PDBTitle:</b> crystal structure at 1.5 a resolution of an h2-reduced, o2-tolerant2 hydrogenase from ralstonia eutropha unmasks a novel iron-sulfur3 cluster
15	<a href="#">d1yq9a1</a>	 Alignment		100.0	21	<b>Fold:</b> HydA/Nqo6-like <b>Superfamily:</b> HydA/Nqo6-like <b>Family:</b> Nickel-iron hydrogenase, small subunit
16	<a href="#">c3myrE_</a>	 Alignment		100.0	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> E: <b>PDB Molecule:</b> hydrogenase (nife) small subunit hyda; <b>PDBTitle:</b> crystal structure of [nife] hydrogenase from allochromatium vinosum in2 its ni-a state
17	<a href="#">c4gd3T_</a>	 Alignment		100.0	22	<b>PDB header:</b> oxidoreductase/electron transport <b>Chain:</b> T: <b>PDB Molecule:</b> hydrogenase-1 small chain; <b>PDBTitle:</b> structure of e. coli hydrogenase-1 in complex with cytochrome b
18	<a href="#">c3zfsB_</a>	 Alignment		100.0	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> f420-reducing hydrogenase, subunit gamma; <b>PDBTitle:</b> cryo-em structure of the f420-reducing nife-hydrogenase from a2 methanogenic archaeon with bound substrate
19	<a href="#">c2wpaA_</a>	 Alignment		100.0	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> periplasmic [nifese] hydrogenase, small subunit; <b>PDBTitle:</b> structure of the oxidised, as-isolated nifese hydrogenase from d.2 vulgaris hildenborough
20	<a href="#">c5aa5D_</a>	 Alignment		99.9	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> nife-hydrogenase small subunit, hofk; <b>PDBTitle:</b> actinobacterial-type nife-hydrogenase from ralstonia eutropha h16 at2 2.85 angstrom resolution
21	<a href="#">c4jc0B_</a>	 Alignment	not modelled	77.2	11	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> ribosomal protein s12 methylthiotransferase rimo; <b>PDBTitle:</b> crystal structure of thermotoga maritima holo rimo in complex with2 pentasulfide, northeast structural genomics consortium target vr77
22	<a href="#">d1e5da1</a>	 Alignment	not modelled	44.4	20	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Flavoproteins <b>Family:</b> Flavodoxin-related
23	<a href="#">d1fmfa_</a>	 Alignment	not modelled	34.9	19	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Cobalamin (vitamin B12)-binding domain <b>Family:</b> Cobalamin (vitamin B12)-binding domain
24	<a href="#">c6h0cA_</a>	 Alignment	not modelled	34.1	18	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative diflavin flavoprotein a 3; <b>PDBTitle:</b> flv1 flavodiiron core from synechocystis sp. pcc6803
25	<a href="#">c2r47C_</a>	 Alignment	not modelled	29.5	15	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> C: <b>PDB Molecule:</b> uncharacterized protein mth_862; <b>PDBTitle:</b> crystal structure of mth_862 protein of unknown function from2 methanothermobacter thermautotrophicus
26	<a href="#">d2h1qa1</a>	 Alignment	not modelled	29.1	21	<b>Fold:</b> PLP-dependent transferase-like <b>Superfamily:</b> Dhaf3308-like <b>Family:</b> Dhaf3308-like
27	<a href="#">c3npgD_</a>	 Alignment	not modelled	28.9	18	<b>PDB header:</b> unknown function <b>Chain:</b> D: <b>PDB Molecule:</b> uncharacterized duf364 family protein; <b>PDBTitle:</b> crystal structure of a protein with unknown function from duf3642 family (ph1506) from pyrococcus horikoshii at 2.70 a resolution
28	<a href="#">c2d3yA_</a>	 Alignment	not modelled	28.0	30	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> uracil-dna glycosylase; <b>PDBTitle:</b> crystal structure of uracil-dna glycosylase from thermus

						thermophilus2 hb8
29	<a href="#">c3rfqC_</a>	Alignment	not modelled	27.4	16	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> C; <b>PDB Molecule:</b> pterin-4-alpha-carbinolamine dehydratase moab2; <b>PDBTitle:</b> crystal structure of pterin-4-alpha-carbinolamine dehydratase moab22 from mycobacterium marinum
30	<a href="#">d1jlja_</a>	Alignment	not modelled	23.6	9	<b>Fold:</b> Molybdenum cofactor biosynthesis proteins <b>Superfamily:</b> Molybdenum cofactor biosynthesis proteins <b>Family:</b> MogA-like
31	<a href="#">c2g4rB_</a>	Alignment	not modelled	23.1	16	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B; <b>PDB Molecule:</b> molybdopterin biosynthesis mog protein; <b>PDBTitle:</b> anomalous substructure of moga
32	<a href="#">c2wcvl_</a>	Alignment	not modelled	22.3	12	<b>PDB header:</b> isomerase <b>Chain:</b> I; <b>PDB Molecule:</b> l-fucose mutarotase; <b>PDBTitle:</b> crystal structure of bacterial fucu
33	<a href="#">d1ycga1</a>	Alignment	not modelled	21.7	23	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Flavoproteins <b>Family:</b> Flavodoxin-related
34	<a href="#">c3rl4A_</a>	Alignment	not modelled	21.1	24	<b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> metallophosphoesterase mpped2; <b>PDBTitle:</b> rat metallophosphodiesterase mpped2 g252h mutant
35	<a href="#">d2f7wa1</a>	Alignment	not modelled	17.2	15	<b>Fold:</b> Molybdenum cofactor biosynthesis proteins <b>Superfamily:</b> Molybdenum cofactor biosynthesis proteins <b>Family:</b> MogA-like
36	<a href="#">c5kojD_</a>	Alignment	not modelled	16.7	19	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D; <b>PDB Molecule:</b> nitrogenase femo beta subunit protein nifk; <b>PDBTitle:</b> nitrogenase mofep protein in the ids oxidized state
37	<a href="#">d2g2ca1</a>	Alignment	not modelled	16.6	11	<b>Fold:</b> Molybdenum cofactor biosynthesis proteins <b>Superfamily:</b> Molybdenum cofactor biosynthesis proteins <b>Family:</b> MogA-like
38	<a href="#">c3ikbB_</a>	Alignment	not modelled	16.5	24	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B; <b>PDB Molecule:</b> uncharacterized conserved protein; <b>PDBTitle:</b> the structure of a conserved protein from streptococcus2 mutans ua159.
39	<a href="#">c3pdiG_</a>	Alignment	not modelled	16.1	20	<b>PDB header:</b> protein binding <b>Chain:</b> G; <b>PDB Molecule:</b> nitrogenase mofe cofactor biosynthesis protein nife; <b>PDBTitle:</b> precursor bound nifen
40	<a href="#">c2is8A_</a>	Alignment	not modelled	15.9	14	<b>PDB header:</b> structural protein <b>Chain:</b> A; <b>PDB Molecule:</b> molybdopterin biosynthesis enzyme, moab; <b>PDBTitle:</b> crystal structure of the molybdopterin biosynthesis enzyme moab2 (ttha0341) from thermus thermophilus hb8
41	<a href="#">c4fo5A_</a>	Alignment	not modelled	14.9	8	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> thioredoxin-like protein; <b>PDBTitle:</b> crystal structure of a thioredoxin-like protein (bdi_1100) from2 parabacteroides distasonis atcc 8503 at 2.02 a resolution
42	<a href="#">c5g2rA_</a>	Alignment	not modelled	14.8	22	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> molybdopterin biosynthesis protein cnx1; <b>PDBTitle:</b> crystal structure of the mo-insertase domain cnx1e from2 arabidopsis thaliana
43	<a href="#">d2dlad1</a>	Alignment	not modelled	13.4	15	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Formate/glycerate dehydrogenases, NAD-domain
44	<a href="#">d1sqsa_</a>	Alignment	not modelled	13.2	11	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Flavoproteins <b>Family:</b> Hypothetical protein SP1951
45	<a href="#">d1xhja_</a>	Alignment	not modelled	13.2	21	<b>Fold:</b> Alpha-lytic protease prodomain-like <b>Superfamily:</b> Fe-S cluster assembly (FSCA) domain-like <b>Family:</b> NifU C-terminal domain-like
46	<a href="#">d1ogda_</a>	Alignment	not modelled	12.8	16	<b>Fold:</b> RbsD-like <b>Superfamily:</b> RbsD-like <b>Family:</b> RbsD-like
47	<a href="#">c2fu3A_</a>	Alignment	not modelled	12.3	18	<b>PDB header:</b> biosynthetic protein/structural protein <b>Chain:</b> A; <b>PDB Molecule:</b> gephyrin; <b>PDBTitle:</b> crystal structure of gephyrin e-domain
48	<a href="#">c3e7nB_</a>	Alignment	not modelled	12.2	24	<b>PDB header:</b> transport protein <b>Chain:</b> B; <b>PDB Molecule:</b> d-ribose high-affinity transport system; <b>PDBTitle:</b> crystal structure of d-ribose high-affinity transport system from2 salmonella typhimurium lt2
49	<a href="#">c3ca8B_</a>	Alignment	not modelled	12.1	21	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B; <b>PDB Molecule:</b> protein ydcf; <b>PDBTitle:</b> crystal structure of escherichia coli ydcf, an s-adenosyl-l-methionine2 utilizing enzyme
50	<a href="#">c2nqgA_</a>	Alignment	not modelled	12.1	26	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> A; <b>PDB Molecule:</b> molybdopterin biosynthesis protein moea; <b>PDBTitle:</b> moea r137q
51	<a href="#">d1xwdb1</a>	Alignment	not modelled	11.9	18	<b>Fold:</b> Cystine-knot cytokines <b>Superfamily:</b> Cystine-knot cytokines <b>Family:</b> Gonadotropin/Follitropin
52	<a href="#">c4xcwF_</a>	Alignment	not modelled	11.8	12	<b>PDB header:</b> transferase <b>Chain:</b> F; <b>PDB Molecule:</b> molybdopterin adenyltransferase; <b>PDBTitle:</b> crystal structure of molybdenum cofactor biosynthesis protein moga2 from helicobacter pylori str. j99
53	<a href="#">c2xdqB_</a>	Alignment	not modelled	11.4	8	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B; <b>PDB Molecule:</b> light-independent protochlorophyllide reductase subunit b; <b>PDBTitle:</b> dark operative protochlorophyllide oxidoreductase (chl-chlb)2 complex
54	<a href="#">c4ptzC_</a>	Alignment	not modelled	11.4	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C; <b>PDB Molecule:</b> fmn reductase ssue; <b>PDBTitle:</b> crystal structure of the escherichia coli alkanesulfonate

						fmn2 reductase ssue in fmn-bound form <b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> nitrogenase vanadium-iron protein alpha chain; <b>PDBTitle:</b> azotobacter vinelandii vanadium nitrogenase
55	<a href="#">c5n6yD_</a>	Alignment	not modelled	11.3	12	
56	<a href="#">d2djia1</a>	Alignment	not modelled	11.2	20	<b>Fold:</b> DHS-like NAD/FAD-binding domain <b>Superfamily:</b> DHS-like NAD/FAD-binding domain <b>Family:</b> Pyruvate oxidase and decarboxylase, middle domain
57	<a href="#">c2z1dA_</a>	Alignment	not modelled	11.0	28	<b>PDB header:</b> metal binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> hydrogenase expression/formation protein hypd; <b>PDBTitle:</b> crystal structure of [nife] hydrogenase maturation protein, hypd from2 thermococcus kodakaraensis
58	<a href="#">c4pfxA_</a>	Alignment	not modelled	10.4	32	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative glycosyltransferase (galt1); <b>PDBTitle:</b> the highly conserved domain of unknown function 1792 has a distinct2 glycosyltransferase fold
59	<a href="#">d1j4aa1</a>	Alignment	not modelled	10.1	10	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Formate/glycerate dehydrogenases, NAD-domain
60	<a href="#">c6a4tB_</a>	Alignment	not modelled	10.0	24	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> peptidase e; <b>PDBTitle:</b> crystal structure of peptidase e from deinococcus radiodurans r1
61	<a href="#">c1ychD_</a>	Alignment	not modelled	9.9	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> nitric oxide reductase; <b>PDBTitle:</b> x-ray crystal structures of moorella thermoacetica fpra. novel diiron2 site structure and mechanistic insights into a scavenging nitric3 oxide reductase
62	<a href="#">c5v4aB_</a>	Alignment	not modelled	9.9	24	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> glycosyltransferase (duf1792); <b>PDBTitle:</b> a new glycosyltransferase (duf1792) from streptococcus sanguinis
63	<a href="#">c4uunA_</a>	Alignment	not modelled	9.7	11	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> l-lactate dehydrogenase; <b>PDBTitle:</b> trichomonas vaginalis lactate dehydrogenase in complex with nadh
64	<a href="#">c4iciA_</a>	Alignment	not modelled	9.6	6	<b>PDB header:</b> flavoprotein <b>Chain:</b> A: <b>PDB Molecule:</b> putative flavoprotein; <b>PDBTitle:</b> crystal structure of a putative flavoprotein (bacegg_01620) from2 bacteroides eggerthii dsm 20697 at 1.40 a resolution
65	<a href="#">d1xjca_</a>	Alignment	not modelled	9.5	38	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nitrogenase iron protein-like
66	<a href="#">c1pt9B_</a>	Alignment	not modelled	9.5	24	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> nad(p) transhydrogenase, mitochondrial; <b>PDBTitle:</b> crystal structure analysis of the diii component of transhydrogenase2 with a thio-nicotinamide nucleotide analogue
67	<a href="#">c4a34L_</a>	Alignment	not modelled	9.4	16	<b>PDB header:</b> isomerase <b>Chain:</b> L: <b>PDB Molecule:</b> rbsd/fucose transport protein family protein; <b>PDBTitle:</b> crystal structure of the fucose mutarotase in complex with2 l-fucose from streptococcus pneumoniae
68	<a href="#">d1rw6a_</a>	Alignment	not modelled	9.2	25	<b>Fold:</b> STAT-like <b>Superfamily:</b> CAPPD, an extracellular domain of amyloid beta A4 protein <b>Family:</b> CAPPD, an extracellular domain of amyloid beta A4 protein
69	<a href="#">c3pdiB_</a>	Alignment	not modelled	9.1	16	<b>PDB header:</b> protein binding <b>Chain:</b> B: <b>PDB Molecule:</b> nitrogenase mofe cofactor biosynthesis protein nifn; <b>PDBTitle:</b> precursor bound nifen
70	<a href="#">d2ob5a1</a>	Alignment	not modelled	9.1	16	<b>Fold:</b> RbsD-like <b>Superfamily:</b> RbsD-like <b>Family:</b> RbsD-like
71	<a href="#">c5fyqB_</a>	Alignment	not modelled	8.9	22	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> nad-dependent protein deacetylase sirtuin-2; <b>PDBTitle:</b> sirt2 in complex with a 13-mer trifluoroacetylated ran peptide
72	<a href="#">c4iloA_</a>	Alignment	not modelled	8.8	14	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> ct398; <b>PDBTitle:</b> 2.12a resolution structure of ct398 from chlamydia trachomatis
73	<a href="#">c2gesA_</a>	Alignment	not modelled	8.8	31	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> pantothenate kinase; <b>PDBTitle:</b> pantothenate kinase from mycobacterium tuberculosis (mtpank) in2 complex with a coenzyme a derivative, form-i (rt)
74	<a href="#">d1d4oa_</a>	Alignment	not modelled	8.6	24	<b>Fold:</b> DHS-like NAD/FAD-binding domain <b>Superfamily:</b> DHS-like NAD/FAD-binding domain <b>Family:</b> Transhydrogenase domain III (dIII)
75	<a href="#">c3d7nA_</a>	Alignment	not modelled	8.6	16	<b>PDB header:</b> electron transport <b>Chain:</b> A: <b>PDB Molecule:</b> flavodoxin, wrba-like protein; <b>PDBTitle:</b> the crystal structure of the flavodoxin, wrba-like protein from2 agrobacterium tumefaciens
76	<a href="#">d1lvmea1</a>	Alignment	not modelled	8.5	13	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Flavoproteins <b>Family:</b> Flavodoxin-related
77	<a href="#">d1civa1</a>	Alignment	not modelled	8.5	15	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> LDH N-terminal domain-like
78	<a href="#">c3mgIA_</a>	Alignment	not modelled	8.4	17	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> sulfate permease family protein; <b>PDBTitle:</b> crystal structure of permease family protein from vibrio cholerae
79	<a href="#">c1qfwB_</a>	Alignment	not modelled	8.4	25	<b>PDB header:</b> immune system <b>Chain:</b> B: <b>PDB Molecule:</b> gonadotrophin beta subunit; <b>PDBTitle:</b> ternary complex of human chorionic gonadotropin with fv anti alpha2 subunit and fv anti beta subunit

80	<a href="#">d1hcnb_</a>	Alignment	not modelled	8.4	25	<b>Fold:</b> Cystine-knot cytokines <b>Superfamily:</b> Cystine-knot cytokines <b>Family:</b> Gonadotropin/Follitropin
81	<a href="#">d1m1na_</a>	Alignment	not modelled	8.2	11	<b>Fold:</b> Chelatase-like <b>Superfamily:</b> "Helical backbone" metal receptor <b>Family:</b> Nitrogenase iron-molybdenum protein
82	<a href="#">c2wnyB_</a>	Alignment	not modelled	8.2	10	<b>PDB header:</b> unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> conserved protein mth689; <b>PDBTitle:</b> structure of mth689, a duf54 protein from methanothermobacter2 thermautotrophicus
83	<a href="#">c3aerC_</a>	Alignment	not modelled	8.2	20	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> light-independent protochlorophyllide reductase subunit n; <b>PDBTitle:</b> structure of the light-independent protochlorophyllide reductase2 catalyzing a key reduction for greening in the dark
84	<a href="#">c2wz1A_</a>	Alignment	not modelled	8.1	15	<b>PDB header:</b> viral protein <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoprotein; <b>PDBTitle:</b> the structure of the n-rna binding domain of the mokola2 virus phosphoprotein
85	<a href="#">d2fy6a1</a>	Alignment	not modelled	8.1	18	<b>Fold:</b> Thioredoxin fold <b>Superfamily:</b> Thioredoxin-like <b>Family:</b> Glutathione peroxidase-like
86	<a href="#">c31kiB_</a>	Alignment	not modelled	8.0	13	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> antisigma-factor antagonist stas; <b>PDBTitle:</b> crystal structure of the c-terminal domain of anti-sigma factor2 antagonist stas from rhodobacter sphaeroides
87	<a href="#">d1th5a1</a>	Alignment	not modelled	7.9	14	<b>Fold:</b> Alpha-lytic protease prodomain-like <b>Superfamily:</b> Fe-S cluster assembly (FSCA) domain-like <b>Family:</b> NifU C-terminal domain-like
88	<a href="#">c2xdqA_</a>	Alignment	not modelled	7.9	23	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> light-independent protochlorophyllide reductase subunit n; <b>PDBTitle:</b> dark operative protochlorophyllide oxidoreductase (chlnc-hlb)2 complex
89	<a href="#">d1pnoa_</a>	Alignment	not modelled	7.7	20	<b>Fold:</b> DHS-like NAD/FAD-binding domain <b>Superfamily:</b> DHS-like NAD/FAD-binding domain <b>Family:</b> Transhydrogenase domain III (dIII)
90	<a href="#">d2i9be3</a>	Alignment	not modelled	7.7	50	<b>Fold:</b> Snake toxin-like <b>Superfamily:</b> Snake toxin-like <b>Family:</b> Extracellular domain of cell surface receptors
91	<a href="#">d2fd6u3</a>	Alignment	not modelled	7.6	50	<b>Fold:</b> Snake toxin-like <b>Superfamily:</b> Snake toxin-like <b>Family:</b> Extracellular domain of cell surface receptors
92	<a href="#">c3mvkA_</a>	Alignment	not modelled	7.6	24	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> protein fucu; <b>PDBTitle:</b> the crystal structure of fucu from bifidobacterium longum to 1.65a
93	<a href="#">d2b0ja2</a>	Alignment	not modelled	7.6	16	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
94	<a href="#">d1sc6a1</a>	Alignment	not modelled	7.5	7	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Formate/glycerate dehydrogenases, NAD-domain
95	<a href="#">c5hcdD_</a>	Alignment	not modelled	7.2	71	<b>PDB header:</b> immune system <b>Chain:</b> D: <b>PDB Molecule:</b> rhhipcephalus microplus raci2; <b>PDBTitle:</b> ternary complex of human complement c5 with ornithodoros moubata omci2 and rhhipcephalus microplus raci2
96	<a href="#">c2vzhA_</a>	Alignment	not modelled	7.1	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> nadh-dependent fmN reductase; <b>PDBTitle:</b> structures of nadh:fmN oxidoreductase (emob)-fmN complex
97	<a href="#">c1mldA_</a>	Alignment	not modelled	6.8	15	<b>PDB header:</b> oxidoreductase(nad(a)-choh(d)) <b>Chain:</b> A: <b>PDB Molecule:</b> malate dehydrogenase; <b>PDBTitle:</b> refined structure of mitochondrial malate dehydrogenase2 from porcine heart and the consensus structure for3 dicarboxylic acid oxidoreductases
98	<a href="#">d1luzxa_</a>	Alignment	not modelled	6.8	23	<b>Fold:</b> UBC-like <b>Superfamily:</b> UBC-like <b>Family:</b> UEV domain
99	<a href="#">c5y06A_</a>	Alignment	not modelled	6.8	29	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> msmeg_4306; <b>PDBTitle:</b> structural characterization of msmeg_4306 from mycobacterium smegmatis