

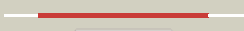






















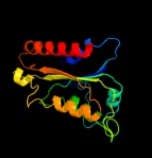



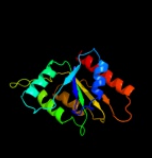



#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3eywA_	 Alignment		100.0	100	PDB header: transport protein Chain: A: PDB Molecule: c-terminal domain of glutathione-regulated potassium-efflux PDBTitle: crystal structure of the c-terminal domain of e. coli kefc in complex2 with keff
2	c3f2vA_	 Alignment		100.0	35	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: general stress protein 14; PDBTitle: crystal structure of the general stress protein 142 (tde0354) in complex with fmn from treponema denticola,3 northeast structural genomics consortium target tdr58.
3	d1dxqa_	 Alignment		100.0	27	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Quinone reductase
4	d1qrda_	 Alignment		100.0	27	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Quinone reductase
5	c3ha2B_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: B: PDB Molecule: nadph-quinone reductase; PDBTitle: crystal structure of protein (nadph-quinone reductase) from2 p.pentosaceus, northeast structural genomics consortium target ptr24a
6	d1d4aa_	 Alignment		100.0	27	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Quinone reductase
7	c2amjD_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: D: PDB Molecule: modulator of drug activity b; PDBTitle: crystal structure of modulator of drug activity b from escherichia2 coli o157:h7
8	c3rpeA_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: modulator of drug activity b; PDBTitle: 1.1 angstrom crystal structure of putative modulator of drug activity2 (mdab) from yersinia pestis co92.
9	d2qwxal	 Alignment		100.0	33	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Quinone reductase
10	c3lcmB_	 Alignment		100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: putative oxidoreductase; PDBTitle: crystal structure of smu.1420 from streptococcus mutans ua159
11	c3p0rA_	 Alignment		100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: azoreductase; PDBTitle: crystal structure of azoreductase from bacillus anthracis str. Sterne

12	c2hvpA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: fmn-dependent nadh-azoreductase; PDBTitle: crystal structure of fmn-dependent azoreductase from enterococcus2 faecalis
13	c2v9cA_	Alignment		100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: fmn-dependent nadh-azoreductase 1; PDBTitle: x-ray crystallographic structure of a pseudomonas2 aeruginosa azoreductase in complex with methyl red.
14	d2z98a1	Alignment		100.0	18	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Quinone reductase
15	d1t5ba_	Alignment		100.0	20	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Quinone reductase
16	d1rlia_	Alignment		100.0	16	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Hypothetical protein YwqN
17	d1nni1_	Alignment		99.9	18	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: NADPH-dependent FMN reductase
18	d1rtta_	Alignment		99.9	17	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: NADPH-dependent FMN reductase
19	c3fvwA_	Alignment		99.9	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative nad(p)h-dependent fmn reductase; PDBTitle: crystal structure of the q8dwd8_strmu protein from2 streptococcus mutans. northeast structural genomics3 consortium target smr99.
20	d1sqsa_	Alignment		99.9	18	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Hypothetical protein SP1951
21	c2q62A_	Alignment	not modelled	99.9	15	PDB header: flavoprotein Chain: A: PDB Molecule: arsh; PDBTitle: crystal structure of arsh from sinorhizobium meliloti
22	c3k1yE_	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: E: PDB Molecule: oxidoreductase; PDBTitle: x-ray structure of oxidoreductase from corynebacterium2 diphtheriae. orthorhombic crystal form, northeast structural3 genomics consortium target cdr100d
23	d1t0ia_	Alignment	not modelled	99.9	19	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: NADPH-dependent FMN reductase
24	d1ydgA_	Alignment	not modelled	99.9	19	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: WrbA-like
25	c2vzhA_	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh-dependent fmn reductase; PDBTitle: structures of nadh:fmn oxidoreductase (emob)-fmn complex
26	c2fzvC_	Alignment	not modelled	99.9	18	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: putative arsenical resistance protein; PDBTitle: crystal structure of an apo form of a flavin-binding protein from2 shigella flexneri
27	d2fzva1	Alignment	not modelled	99.8	18	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: NADPH-dependent FMN reductase
28	c3b6iB_	Alignment	not modelled	99.8	18	PDB header: flavoprotein Chain: B: PDB Molecule: flavoprotein wrba; PDBTitle: wrba from escherichia coli, native structure

29	d2a5la1	Alignment	not modelled	99.8	19	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: WrbA-like
30	c2zkiH	Alignment	not modelled	99.8	22	PDB header: transcription Chain: H: PDB Molecule: 199aa long hypothetical trp repressor binding PDBTitle: crystal structure of hypothetical trp repressor binding2 protein from sul folobus tokodaii (st0872)
31	c3d7nA	Alignment	not modelled	99.8	16	PDB header: electron transport Chain: A: PDB Molecule: flavodoxin, wrba-like protein; PDBTitle: the crystal structure of the flavodoxin, wrba-like protein from2 agrobacterium tumefaciens
32	d1e5da1	Alignment	not modelled	99.7	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
33	d1ycga1	Alignment	not modelled	99.7	13	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
34	d2arka1	Alignment	not modelled	99.7	20	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: WrbA-like
35	c1ychD	Alignment	not modelled	99.7	13	PDB header: oxidoreductase Chain: D: PDB Molecule: nitric oxide reductase; PDBTitle: x-ray crystal structures of moorella thermoacetica fpra.2 novel diiron site structure and mechanistic insights into3 a scavenging nitric oxide reductase
36	c2ohiB	Alignment	not modelled	99.6	13	PDB header: oxidoreductase Chain: B: PDB Molecule: type a flavoprotein fpra; PDBTitle: crystal structure of coenzyme f420h2 oxidase (fpra), a diiron2 flavoprotein, reduced state
37	d1vmea1	Alignment	not modelled	99.6	13	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
38	c2q9uB	Alignment	not modelled	99.6	13	PDB header: oxidoreductase Chain: B: PDB Molecule: a-type flavoprotein; PDBTitle: crystal structure of the flavodiiron protein from giardia2 intestinalis
39	c1e5dA	Alignment	not modelled	99.4	14	PDB header: oxidoreductase Chain: A: PDB Molecule: rubredoxin: oxygen oxidoreductase; PDBTitle: rubredoxin oxygen:oxidoreductase (roo) from anaerobe2 desulfovibrio gigas
40	c3fniA	Alignment	not modelled	99.4	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative diflavin flavoprotein a 3; PDBTitle: crystal structure of a diflavin flavoprotein a3 (al13895) from nostoc2 sp., northeast structural genomics consortium target nsr431a
41	c3klbA	Alignment	not modelled	99.4	15	PDB header: flavoprotein Chain: A: PDB Molecule: putative flavoprotein; PDBTitle: crystal structure of putative flavoprotein in complex with fmn2 (yp_213683.1) from bacteroides fragilis nctc 9343 at 1.75 a3 resolution
42	c1vmeB	Alignment	not modelled	99.3	13	PDB header: electron transport Chain: B: PDB Molecule: flavoprotein; PDBTitle: crystal structure of flavoprotein (tm0755) from thermotoga maritima at2 1.80 a resolution
43	c3hlyA	Alignment	not modelled	99.3	22	PDB header: flavoprotein Chain: A: PDB Molecule: flavodoxin-like domain; PDBTitle: crystal structure of the flavodoxin-like domain from2 synechococcus sp q5nmp6 synp6 protein. northeast structural3 genomics consortium target snr135d.
44	c3edoA	Alignment	not modelled	99.3	17	PDB header: flavoprotein Chain: A: PDB Molecule: putative trp repressor binding protein; PDBTitle: crystal structure of flavoprotein in complex with fmn2 (yp_193882.1) from lactobacillus acidophilus ncfm at 1.203 a resolution
45	d2fz5a1	Alignment	not modelled	99.2	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
46	d5nula	Alignment	not modelled	99.0	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
47	c3f6sl	Alignment	not modelled	98.8	12	PDB header: electron transport Chain: I: PDB Molecule: flavodoxin; PDBTitle: desulfovibrio desulfuricans (atcc 29577) oxidized flavodoxin2 alternate conformers
48	d1ag9a	Alignment	not modelled	98.6	9	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
49	c3hr4C	Alignment	not modelled	98.5	8	PDB header: oxidoreductase/metal binding protein Chain: C: PDB Molecule: nitric oxide synthase, inducible; PDBTitle: human inos reductase and calmodulin complex
50	d1tlla2	Alignment	not modelled	98.5	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Cytochrome p450 reductase N-terminal domain-like
51	d1loboA	Alignment	not modelled	98.5	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
52	d1ykga1	Alignment	not modelled	98.4	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Cytochrome p450 reductase N-terminal domain-like
53	d1czna	Alignment	not modelled	98.4	13	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
						PDB header: oxidoreductase

54	c1bvyF_	Alignment	not modelled	98.4	12	Chain: F: PDB Molecule: protein (cytochrome p450 bm-3); PDBTitle: complex of the heme and fnm-binding domains of the2 cytochrome p450(bm-3)
55	d1bvyf_	Alignment	not modelled	98.4	12	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
56	d1b1ca_	Alignment	not modelled	98.2	10	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Cytochrome p450 reductase N-terminal domain-like
57	c2wc1A_	Alignment	not modelled	98.2	10	PDB header: electron transport Chain: A: PDB Molecule: flavodoxin; PDBTitle: three-dimensional structure of the nitrogen fixation2 flavodoxin (niff) from rhodobacter capsulatus at 2.2 a
58	d1f4pa_	Alignment	not modelled	98.1	11	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
59	d2fcra_	Alignment	not modelled	98.0	10	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
60	c1t1IA_	Alignment	not modelled	98.0	12	PDB header: oxidoreductase Chain: A: PDB Molecule: nitric-oxide synthase, brain; PDBTitle: crystal structure of rat neuronal nitric-oxide synthase2 reductase module at 2.3 a resolution.
61	d1yoba1	Alignment	not modelled	97.9	10	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
62	d1fuea_	Alignment	not modelled	97.9	8	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavodoxin-related
63	d1ja1a2	Alignment	not modelled	97.9	10	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Cytochrome p450 reductase N-terminal domain-like
64	c2hnbA_	Alignment	not modelled	97.7	13	PDB header: electron transport Chain: A: PDB Molecule: protein mioc; PDBTitle: solution structure of a bacterial holo-flavodoxin
65	c2bpoA_	Alignment	not modelled	94.7	13	PDB header: reductase Chain: A: PDB Molecule: nadph-cytochrom p450 reductase; PDBTitle: crystal structure of the yeast cpr triple mutant: d74g,2 y75f, k78a.
66	c1j9zB_	Alignment	not modelled	94.3	9	PDB header: oxidoreductase Chain: B: PDB Molecule: nadph-cytochrome p450 reductase; PDBTitle: cypor-w677g
67	c2x2oA_	Alignment	not modelled	90.6	12	PDB header: flavoprotein Chain: A: PDB Molecule: nrld protein; PDBTitle: the flavoprotein nrld from bacillus cereus with the2 initially oxidized fnm cofactor in an intermediate3 radiation reduced state
68	d1rlja_	Alignment	not modelled	78.4	15	Fold: Flavodoxin-like Superfamily: Flavoproteins Family: Flavoprotein Nrdl
69	d1yrba1	Alignment	not modelled	77.0	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
70	d1yqa1	Alignment	not modelled	65.4	11	Fold: Phosphorylase/hydrolase-like Superfamily: AF0625-like Family: AF0625-like
71	c1q7tA_	Alignment	not modelled	56.6	15	PDB header: hydrolase Chain: A: PDB Molecule: hypothetical protein rv1170; PDBTitle: rv1170 (mshb) from mycobacterium tuberculosis
72	d1q74a_	Alignment	not modelled	56.0	15	Fold: LmbE-like Superfamily: LmbE-like Family: LmbE-like
73	c3dfiA_	Alignment	not modelled	55.8	15	PDB header: hydrolase Chain: A: PDB Molecule: pseudoaglycone deacetylase dbv21; PDBTitle: the crystal structure of antimicrobial reagent a40926 pseudoaglycone2 deacetylase dbv21
74	c3mw8A_	Alignment	not modelled	50.5	16	PDB header: lyase Chain: A: PDB Molecule: uroporphyrinogen-iii synthase; PDBTitle: crystal structure of an uroporphyrinogen-iii synthase (sama_3255) from2 shewanella amazonensis sb2b at 1.65 a resolution
75	d2r4qa1	Alignment	not modelled	42.8	21	Fold: Phosphotyrosine protein phosphatases I-like Superfamily: PTS system IIB component-like Family: PTS system, Fructose specific IIB subunit-like
76	c3dfmA_	Alignment	not modelled	40.5	15	PDB header: hydrolase Chain: A: PDB Molecule: teicoplanin pseudoaglycone deacetylase orf2; PDBTitle: the crystal structure of the zinc inhibited form of2 teicoplanin deacetylase orf2
77	d1uana_	Alignment	not modelled	38.5	11	Fold: LmbE-like Superfamily: LmbE-like Family: LmbE-like
78	c2kokA_	Alignment	not modelled	30.6	13	PDB header: oxidoreductase Chain: A: PDB Molecule: arsenate reductase; PDBTitle: solution structure of an arsenate reductase (arsc) related protein2 from brucella melitensis. seattle structural genomics center for3 infectious disease target braba.00007.a.
79	c3l4eA_	Alignment	not modelled	29.8	11	PDB header: hydrolase Chain: A: PDB Molecule: uncharacterized peptidase lmo0363; PDBTitle: 1.5a crystal structure of a putative peptidase e protein from listeria2 monocytogenes egd-e
						Fold: P-loop containing nucleoside triphosphate hydrolases

80	d1jala1	Alignment	not modelled	29.6	15	Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
81	d1mv8a3	Alignment	not modelled	22.0	18	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: UDP-glucose/GDP-mannose dehydrogenase C-terminal domain Family: UDP-glucose/GDP-mannose dehydrogenase C-terminal domain
82	c3iprC_	Alignment	not modelled	21.8	18	PDB header: transferase Chain: C: PDB Molecule: pts system, iia component; PDBTitle: crystal structure of the enterococcus faecalis gluconate2 specific eiiA phosphotransferase system component
83	c2ixdB_	Alignment	not modelled	21.5	18	PDB header: hydrolase Chain: B: PDB Molecule: Imbe-related protein; PDBTitle: crystal structure of the putative deacetylase bc1534 from2 bacillus cereus
84	c2gedB_	Alignment	not modelled	20.8	7	PDB header: protein transport, signaling protein Chain: B: PDB Molecule: signal recognition particle receptor beta PDBTitle: signal recognition particle receptor beta-subunit in2 nucleotide-free dimerized form
85	d1jr2a_	Alignment	not modelled	20.0	5	Fold: HemD-like Superfamily: HemD-like Family: HemD-like
86	c1jr2A_	Alignment	not modelled	20.0	5	PDB header: lyase Chain: A: PDB Molecule: uroporphyrinogen-iii synthase; PDBTitle: structure of uroporphyrinogen iii synthase
87	d1lr6a_	Alignment	not modelled	18.8	10	Fold: DHH phosphoesterases Superfamily: DHH phosphoesterases Family: Exonuclease RecJ
88	c1lr6A_	Alignment	not modelled	18.8	10	PDB header: hydrolase Chain: A: PDB Molecule: exonuclease recJ; PDBTitle: crystal structure of exonuclease recJ bound to manganese
89	c3gg2B_	Alignment	not modelled	17.4	7	PDB header: oxidoreductase Chain: B: PDB Molecule: sugar dehydrogenase, udp-glucose/gdp-mannose PDBTitle: crystal structure of udp-glucose 6-dehydrogenase from2 porphyromonas gingivalis bound to product udp-glucuronate
90	d1z3ea1	Alignment	not modelled	15.7	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: ArsC-like
91	c2gfcC_	Alignment	not modelled	15.3	12	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: upf0204 protein ph0006; PDBTitle: structure of protein of unknown function ph0006 from pyrococcus2 horikoshii
92	c3n39D_	Alignment	not modelled	15.2	12	PDB header: oxidoreductase Chain: D: PDB Molecule: protein nrDI; PDBTitle: ribonucleotide reductase di manganese(ii)-nrdf from escherichia coli in2 complex with nrDI
93	c3mtqA_	Alignment	not modelled	15.1	15	PDB header: transferase Chain: A: PDB Molecule: putative phosphoenolpyruvate-dependent sugar PDBTitle: crystal structure of a putative phosphoenolpyruvate-dependent sugar2 phosphotransferase system (pts) permease (kpn_04802) from klebsiella3 pneumoniae subsp. pneumoniae mgh 78578 at 1.70 a resolution
94	d1t4za_	Alignment	not modelled	13.1	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: KaiB-like
95	d2r48a1	Alignment	not modelled	12.3	21	Fold: Phosphotyrosine protein phosphatases I-like Superfamily: PTS system IIB component-like Family: PTS system, Fructose specific IIB subunit-like
96	c3l78A_	Alignment	not modelled	11.7	12	PDB header: transcription Chain: A: PDB Molecule: regulatory protein spx; PDBTitle: the crystal structure of smu.1142c from streptococcus mutans ua159
97	c3g79A_	Alignment	not modelled	11.3	12	PDB header: oxidoreductase Chain: A: PDB Molecule: ndp-n-acetyl-d-galactosaminuronic acid dehydrogenase; PDBTitle: crystal structure of ndp-n-acetyl-d-galactosaminuronic acid2 dehydrogenase from methanosarcina mazei go1
98	d1t3ta3	Alignment	not modelled	10.4	18	Fold: PurS-like Superfamily: PurS-like Family: FGAM synthase PurL, PurS-like domain
99	c2yvua_	Alignment	not modelled	10.1	8	PDB header: transferase Chain: A: PDB Molecule: probable adenyl-lyl-sulfate kinase; PDBTitle: crystal structure of ape1195