
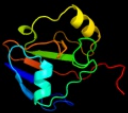



















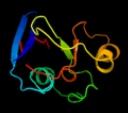
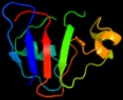






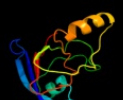


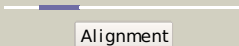
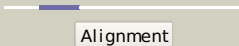
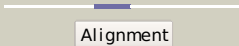


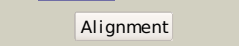

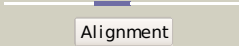
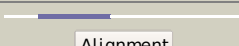
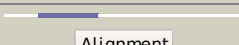
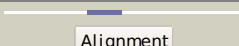



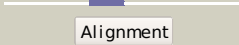
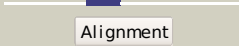

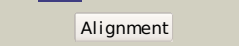



#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dli7ha_	 Alignment		100.0	100	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
2	c3ah7A_	 Alignment		100.0	58	PDB header: metal binding protein Chain: A: PDB Molecule: [2Fe-2S]ferredoxin; PDBTitle: crystal structure of the isc-like [2Fe-2S] ferredoxin (fdxb) from <i>Pseudomonas putida</i> JCM 20004
3	c3huiA_	 Alignment		99.9	38	PDB header: electron transport Chain: A: PDB Molecule: ferredoxin; PDBTitle: crystal structure of the mutant a105r of [2Fe-2S] ferredoxin2 in the class I cyp199a2 system from <i>Rhodospirillum rubrum</i>
4	c2wlBb_	 Alignment		99.9	45	PDB header: electron transport Chain: B: PDB Molecule: electron transfer protein 1, mitochondrial; PDBTitle: adrenodoxin-like ferredoxin etp1fd(516-618) of <i>Schizosaccharomyces pombe</i> mitochondria
5	c3lxfC_	 Alignment		99.9	36	PDB header: metal binding protein Chain: C: PDB Molecule: ferredoxin; PDBTitle: crystal structure of [2Fe-2S] ferredoxin arx from <i>Novosphingobium aromaticivorans</i>
6	d2bt6a1	 Alignment		99.9	33	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
7	d1b9ra_	 Alignment		99.9	28	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
8	d1xlqa1	 Alignment		99.9	36	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
9	d1e9ma_	 Alignment		99.9	37	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
10	c1l6vA_	 Alignment		99.8	33	PDB header: electron transport Chain: A: PDB Molecule: adrenodoxin 1; PDBTitle: structure of reduced bovine adrenodoxin
11	d1l5pa_	 Alignment		99.8	21	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related

12	dlkrha3	Alignment		99.8	24	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
13	dlieua_	Alignment		99.8	25	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
14	clkrhA_	Alignment		99.8	29	PDB header: oxidoreductase Chain: A: PDB Molecule: benzoate 1,2-dioxygenase reductase; PDBTitle: x-ray stucture of benzoate dioxygenase reductase
15	dlfxia_	Alignment		99.8	26	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
16	dljq4a_	Alignment		99.8	27	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
17	dlpfa_	Alignment		99.7	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
18	dlfrfa_	Alignment		99.7	31	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
19	d4fxca_	Alignment		99.7	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
20	dlczpa_	Alignment		99.7	27	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
21	dl0ffa_	Alignment	not modelled	99.7	25	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
22	dlfrda_	Alignment	not modelled	99.7	20	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
23	dlawda_	Alignment	not modelled	99.7	24	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
24	dla70a_	Alignment	not modelled	99.7	20	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
25	d2cjoa_	Alignment	not modelled	99.7	21	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
26	dlgaqb_	Alignment	not modelled	99.7	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
27	dlwria_	Alignment	not modelled	99.7	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
28	d2piaa3	Alignment	not modelled	99.6	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
29	dl0doia_	Alignment	not modelled	99.6	25	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like

					Family: 2Fe-2S ferredoxin-related
30	d1e0za_	Alignment	not modelled	99.5	27 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
31	c2piaA_	Alignment	not modelled	99.4	20 PDB header: reductase Chain: A: PDB Molecule: phthalate dioxygenase reductase; PDBTitle: phthalate dioxygenase reductase: a modular structure for2 electron transfer from pyridine nucleotides to [2fe-2s]
32	d2fug33	Alignment	not modelled	99.1	23 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
33	d3c8ya2	Alignment	not modelled	99.0	25 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
34	c1c4cA_	Alignment	not modelled	98.8	23 PDB header: oxidoreductase Chain: A: PDB Molecule: protein (fe-only hydrogenase); PDBTitle: binding of exogenously added carbon monoxide at the active2 site of the fe-only hydrogenase (cpi) from clostridium3 pasteurianum
35	c2fugC_	Alignment	not modelled	98.7	24 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
36	d1vlba2	Alignment	not modelled	98.1	18 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
37	d1dgia2	Alignment	not modelled	98.0	14 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
38	d1t3qa2	Alignment	not modelled	97.8	14 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
39	d1n62a2	Alignment	not modelled	97.5	10 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
40	c1t3qD_	Alignment	not modelled	97.5	14 PDB header: oxidoreductase Chain: D: PDB Molecule: quinoline 2-oxidoreductase small subunit; PDBTitle: crystal structure of quinoline 2-oxidoreductase from pseudomonas2 putida 86
41	c3hrdH_	Alignment	not modelled	97.3	21 PDB header: oxidoreductase Chain: H: PDB Molecule: nicotinate dehydrogenase small fes subunit; PDBTitle: crystal structure of nicotinate dehydrogenase
42	c1n60D_	Alignment	not modelled	97.2	10 PDB header: oxidoreductase Chain: D: PDB Molecule: carbon monoxide dehydrogenase small chain; PDBTitle: crystal structure of the cu,mo-co dehydrogenase (codh); cyanide-2 inactivated form
43	d1ffva2	Alignment	not modelled	97.2	8 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
44	d1rm6c2	Alignment	not modelled	97.2	16 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
45	c1rm6F_	Alignment	not modelled	97.1	16 PDB header: oxidoreductase Chain: F: PDB Molecule: 4-hydroxybenzoyl-coa reductase gamma subunit; PDBTitle: structure of 4-hydroxybenzoyl-coa reductase from thauera2 aromatica
46	c1ffuA_	Alignment	not modelled	96.9	8 PDB header: hydrolase Chain: A: PDB Molecule: cuts, iron-sulfur protein of carbon monoxide PDBTitle: carbon monoxide dehydrogenase from hydrogenophaga2 pseudoflava which lacks the mo-pyranopterin moiety of the3 molybdenum cofactor
47	c2h89B_	Alignment	not modelled	96.6	27 PDB header: oxidoreductase Chain: B: PDB Molecule: succinate dehydrogenase ip subunit; PDBTitle: avian respiratory complex ii with malonate bound
48	d1jroa2	Alignment	not modelled	96.5	12 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
49	d1v97a2	Alignment	not modelled	96.4	18 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
50	c2w3rG_	Alignment	not modelled	96.3	12 PDB header: oxidoreductase Chain: G: PDB Molecule: xanthine dehydrogenase; PDBTitle: crystal structure of xanthine dehydrogenase (desulfo form)2 from rhodobacter capsulatus in complex with hypoxanthine
51	d2bs2b2	Alignment	not modelled	96.3	18 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
52	c3eubj_	Alignment	not modelled	96.2	18 PDB header: oxidoreductase Chain: J: PDB Molecule: xanthine dehydrogenase/oxidase; PDBTitle: crystal structure of desulfo-xanthine oxidase with xanthine
53	d1kf6b2	Alignment	not modelled	96.2	23 Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
54	c3b9jl_	Alignment	not modelled	96.2	18 PDB header: oxidoreductase Chain: I: PDB Molecule: xanthine oxidase; PDBTitle: structure of xanthine oxidase with 2-hydroxy-6-methylpurine

55	c2bs2E_	Alignment	not modelled	96.1	16	PDB header: oxidoreductase Chain: E: PDB Molecule: quinol-fumarate reductase iron-sulfur subunit b; PDBTitle: quinol:fumarate reductase from wolinella succinogenes
56	c2b76N_	Alignment	not modelled	96.1	19	PDB header: oxidoreductase Chain: N: PDB Molecule: fumarate reductase iron-sulfur protein; PDBTitle: e. coli quinol fumarate reductase frda e49q mutation
57	c1dgiA_	Alignment	not modelled	96.1	14	PDB header: oxidoreductase Chain: A: PDB Molecule: aldehyde oxidoreductase; PDBTitle: crystal structure of the aldehyde oxidoreductase from2 desulfovibrio desulfuricans atcc 27774
58	c1vlbA_	Alignment	not modelled	96.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: aldehyde oxidoreductase; PDBTitle: structure refinement of the aldehyde oxidoreductase from2 desulfovibrio gigas at 1.28 a
59	c1nekB_	Alignment	not modelled	94.5	23	PDB header: oxidoreductase/electron transport Chain: B: PDB Molecule: succinate dehydrogenase iron-sulfur protein; PDBTitle: complex ii (succinate dehydrogenase) from e. coli with2 ubiquinone bound
60	d1nekb2	Alignment	not modelled	94.0	18	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
61	c1wygA_	Alignment	not modelled	91.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: xanthine dehydrogenase/oxidase; PDBTitle: crystal structure of a rat xanthine dehydrogenase triple mutant2 (c535a, c992r and c1324s)
62	c1x31A_	Alignment	not modelled	91.6	23	PDB header: oxidoreductase Chain: A: PDB Molecule: sarcosine oxidase alpha subunit; PDBTitle: crystal structure of heterotetrameric sarcosine oxidase from2 corynebacterium sp. u-96
63	c1y56A_	Alignment	not modelled	91.3	28	PDB header: oxidoreductase Chain: A: PDB Molecule: hypothetical protein ph1363; PDBTitle: crystal structure of l-proline dehydrogenase from p.horikoshii
64	d1tkeal	Alignment	not modelled	89.9	42	Fold: beta-Grasp (ubiquitin-like) Superfamily: TGS-like Family: TGS domain
65	c1tkeA_	Alignment	not modelled	84.9	42	PDB header: ligase Chain: A: PDB Molecule: threonyl-trna synthetase; PDBTitle: crystal structure of the editing domain of threonyl-trna2 synthetase complexed with serine
66	c1ep3B_	Alignment	not modelled	80.4	24	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydroorotate dehydrogenase b (pyrk subunit); PDBTitle: crystal structure of lactococcus lactis dihydroorotate dehydrogenase2 b. data collected under cryogenic conditions.
67	d1ep3b2	Alignment	not modelled	80.4	24	Fold: Ferredoxin reductase-like, C-terminal NADP-linked domain Superfamily: Ferredoxin reductase-like, C-terminal NADP-linked domain Family: Dihydroorotate dehydrogenase B, PyrK subunit
68	c2kmmA_	Alignment	not modelled	57.1	26	PDB header: hydrolase Chain: A: PDB Molecule: guanosine-3',5'-bis(diphosphate) 3'- PDBTitle: solution nmr structure of the tgs domain of pg1808 from2 porphyromonas gingivalis. northeast structural genomics3 consortium target pgr122a (418-481)
69	c3hvvB_	Alignment	not modelled	52.6	32	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the tgs domain of the cleop_03100 protein from2 clostridium leptum, northeast structural genomics consortium target3 qlr13a
70	c3na0C_	Alignment	not modelled	45.9	60	PDB header: oxidoreductase, electron transport Chain: C: PDB Molecule: adrenodoxin, mitochondrial; PDBTitle: crystal structure of human cyp11a1 in complex with 20,22-2 dihydroxycholesterol
71	c1rrbA_	Alignment	not modelled	41.3	18	PDB header: transferase Chain: A: PDB Molecule: raf proto-oncogene serine/threonine-protein PDBTitle: the ras-binding domain of raf-1 from rat, nmr, 1 structure
72	c1qf6A_	Alignment	not modelled	38.6	40	PDB header: ligase/rna Chain: A: PDB Molecule: threonyl-trna synthetase; PDBTitle: structure of e. coli threonyl-trna synthetase complexed with its2 cognate trna
73	c2l05A_	Alignment	not modelled	38.0	26	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase b-raf; PDBTitle: solution nmr structure of the ras-binding domain of serine/threonine-2 protein kinase b-raf from homo sapiens, northeast structural genomics3 consortium target hr4694f
74	d1c1yb_	Alignment	not modelled	35.7	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: Ubiquitin-like Family: Ras-binding domain, RBD
75	d1nyra2	Alignment	not modelled	32.8	21	Fold: beta-Grasp (ubiquitin-like) Superfamily: TGS-like Family: TGS domain
76	d1e0ga_	Alignment	not modelled	29.8	25	Fold: LysM domain Superfamily: LysM domain Family: LysM domain
77	c1wwtA_	Alignment	not modelled	26.1	30	PDB header: ligase Chain: A: PDB Molecule: threonyl-trna synthetase, cytoplasmic; PDBTitle: solution structure of the tgs domain from human threonyl-2 trna synthetase
78	d1zud21	Alignment	not modelled	24.5	11	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: ThiS
79	d1wxma1	Alignment	not modelled	23.9	18	Fold: beta-Grasp (ubiquitin-like) Superfamily: Ubiquitin-like Family: Ras-binding domain, RBD

80	c1nyqA	 Alignment	not modelled	21.2	33	PDB header: ligase Chain: A: PDB Molecule: threonyl-trna synthetase 1; PDBTitle: structure of staphylococcus aureus threonyl-trna synthetase2 complexed with an analogue of threonyl adenylate
81	c2hj1A	 Alignment	not modelled	19.8	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a 3d domain-swapped dimer of protein hi0395 from2 haemophilus influenzae
82	d2hj1a1	 Alignment	not modelled	19.8	25	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: HI0395-like
83	c3c75L	 Alignment	not modelled	18.7	28	PDB header: oxidoreductase Chain: L: PDB Molecule: methylamine dehydrogenase light chain; PDBTitle: paracoccus versutus methylamine dehydrogenase in complex2 with amicyanin
84	d2bbkl	 Alignment	not modelled	18.5	28	Fold: Methylamine dehydrogenase, L chain Superfamily: Methylamine dehydrogenase, L chain Family: Methylamine dehydrogenase, L chain
85	d1mdal	 Alignment	not modelled	18.3	28	Fold: Methylamine dehydrogenase, L chain Superfamily: Methylamine dehydrogenase, L chain Family: Methylamine dehydrogenase, L chain
86	d1rwsa	 Alignment	not modelled	18.3	22	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: ThiS
87	d1y7ma2	 Alignment	not modelled	17.2	19	Fold: LysM domain Superfamily: LysM domain Family: LysM domain
88	c2iurD	 Alignment	not modelled	13.8	28	PDB header: oxidoreductase Chain: D: PDB Molecule: aromatic amine dehydrogenase beta subunit; PDBTitle: crystal structure of n-quinol form of aromatic amine2 dehydrogenase (aadh) from alcaligenes faecalis, form a3 cocrystal
89	c3bw7A	 Alignment	not modelled	13.5	21	PDB header: oxidoreductase Chain: A: PDB Molecule: cytokinin dehydrogenase 1; PDBTitle: maize cytokinin oxidase/dehydrogenase complexed with the allenic2 cytokinin analog ha-1
90	c2g1eA	 Alignment	not modelled	11.8	12	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ta0895; PDBTitle: solution structure of ta0895
91	c2po8A	 Alignment	not modelled	11.4	22	PDB header: plant protein Chain: A: PDB Molecule: mcoti-ii; PDBTitle: the structure of a two-disulfide intermediate of mcoti-ii
92	c2c1dB	 Alignment	not modelled	11.2	33	PDB header: oxidoreductase Chain: B: PDB Molecule: soxx; PDBTitle: crystal structure of soxxa from p. pantotrophus
93	d1rubx4	 Alignment	not modelled	11.1	33	Fold: Glucocorticoid receptor-like (DNA-binding domain) Superfamily: Glucocorticoid receptor-like (DNA-binding domain) Family: LIM domain
94	c1y7mB	 Alignment	not modelled	10.8	19	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein bsu14040; PDBTitle: crystal structure of the b. subtilis ykud protein at 2 a2 resolution
95	d1iqca1	 Alignment	not modelled	10.0	30	Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase
96	c2it8A	 Alignment	not modelled	9.9	25	PDB header: plant protein Chain: A: PDB Molecule: trypsin inhibitor 2; PDBTitle: solution structure of a linear analog of the cyclic squash2 trypsin inhibitor mcoti-ii
97	d2it8a1	 Alignment	not modelled	9.9	25	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Plant inhibitors of proteinases and amylases Family: Plant inhibitors of proteinases and amylases
98	d2al3a1	 Alignment	not modelled	9.7	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: Ubiquitin-like Family: UBX domain
99	d1eb7a1	 Alignment	not modelled	9.2	44	Fold: Cytochrome c Superfamily: Cytochrome c Family: Di-heme cytochrome c peroxidase