

Phyre2

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 Description RVBD2445c_(ndk)_2745324_2745734
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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1k44a_	Alignment		100.0	100	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
2	d1ehwa_	Alignment		100.0	46	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
3	d1nb2a_	Alignment		100.0	51	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
4	d1u8wa_	Alignment		100.0	50	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
5	c3mpdA_	Alignment		100.0	44	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside diphosphate kinase from2 encephalitozoon cuniculi, cubic form, apo
6	c5u2IF_	Alignment		100.0	56	PDB header: transferase Chain: F: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of a nucleoside diphosphate kinase from naegleria2 fowleri
7	c3ztqC_	Alignment		100.0	45	PDB header: transferase Chain: C: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: hexagonal crystal form p61 of the aquifex aeolicus nucleoside2 diphosphate kinase
8	c4o0nA_	Alignment		100.0	47	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: 2.4 angstrom resolution crystal structure of putative nucleoside2 diphosphate kinase from toxoplasma gondii.
9	c3ngtJ_	Alignment		100.0	48	PDB header: transferase Chain: J: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: structure of leishmania ndkb complexed with amp.
10	d1hlwa_	Alignment		100.0	51	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
11	d1s57a_	Alignment		100.0	53	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK

12	d1pkua1	Alignment		100.0	51	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
13	d3bba1	Alignment		100.0	46	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
14	d1ucna	Alignment		100.0	44	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
15	d1be4a	Alignment		100.0	47	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
16	c2hurF	Alignment		100.0	45	PDB header: signaling protein,transferase Chain: F: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: escherichia coli nucleoside diphosphate kinase
17	c6agyA	Alignment		100.0	47	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: aspergillus fumigatus af293 ndk
18	c4s0mC	Alignment		100.0	50	PDB header: transferase Chain: C: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside diphosphate kinase at 1.92 a2 resolution from acinetobacter baumannii
19	d1w7wa	Alignment		100.0	49	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
20	c3js9A	Alignment		100.0	51	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase family protein; PDBTitle: crystal structure of nucleoside diphosphate kinase family protein from2 babesia bovis
21	d1xiga	Alignment	not modelled	100.0	44	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
22	c1w7wF	Alignment	not modelled	100.0	48	PDB header: transferase Chain: F: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: structure and mutational analysis of a plant mitochondrial nucleoside2 diphosphate kinase: identification of residues involved in serine3 phosphorylation and oligomerization.
23	c3q89H	Alignment	not modelled	100.0	56	PDB header: transferase Chain: H: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of staphylococcus aureus nucleoside diphosphate2 kinase complexed with cdp
24	c5v6dH	Alignment	not modelled	100.0	46	PDB header: transferase Chain: H: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside diphosphate kinase from neisseria2 gonorrhoeae in complex with citrate
25	d1zs6a1	Alignment	not modelled	100.0	53	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
26	d1nhkl	Alignment	not modelled	100.0	52	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
27	c4dutA	Alignment	not modelled	100.0	49	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: the structure of nucleoside diphosphate kinase (ndk) from burkholderia2 thailandensis
28	d2az3a1	Alignment	not modelled	100.0	55	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK

29	c2vu5A	Alignment	not modelled	100.0	52	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of pndk from bacillus anthracis
30	d1wkja1	Alignment	not modelled	100.0	59	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
31	c5ioIC	Alignment	not modelled	100.0	43	PDB header: transferase Chain: C: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside diphosphate kinase from schistosoma2 mansoni
32	d2dyaa1	Alignment	not modelled	100.0	57	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
33	c4di6F	Alignment	not modelled	100.0	43	PDB header: transferase Chain: F: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside-diphosphate kinase from borrelia2 burgdorferi
34	d1nsqa	Alignment	not modelled	100.0	46	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
35	d1xqia1	Alignment	not modelled	100.0	47	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
36	d2b8qa1	Alignment	not modelled	100.0	46	Fold: Ferredoxin-like Superfamily: Nucleoside diphosphate kinase, NDK Family: Nucleoside diphosphate kinase, NDK
37	c2az1B	Alignment	not modelled	100.0	52	PDB header: transferase Chain: B: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: structure of a halophilic nucleoside diphosphate kinase from2 halobacterium salinarum
38	c3b6bF	Alignment	not modelled	100.0	46	PDB header: transferase Chain: F: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of acanthamoeba polyphaga mimivirus2 nucleoside diphosphate kinase complexed with dgdp
39	c3b54A	Alignment	not modelled	100.0	46	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: saccharomyces cerevisiae nucleoside diphosphate kinase
40	c5x00A	Alignment	not modelled	100.0	56	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: nucleoside diphosphate kinase from vibrio cholerae is a thermolabile2 type ii tetramer
41	c3r9IA	Alignment	not modelled	100.0	50	PDB header: transferase Chain: A: PDB Molecule: nucleoside diphosphate kinase; PDBTitle: crystal structure of nucleoside diphosphate kinase from giardia2 lamblia featuring a disordered dinucleotide binding site
42	c2bx6A	Alignment	not modelled	98.1	19	PDB header: transduction protein Chain: A: PDB Molecule: xrp2 protein; PDBTitle: crystal structure of the human retinitis pigmentosa2 protein 2 (rp2)
43	c3p04A	Alignment	not modelled	41.9	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized bcr; PDBTitle: crystal structure of the bcr protein from corynebacterium glutamicum.2 northeast structural genomics consortium target cgr8
44	c3bqsB	Alignment	not modelled	35.7	12	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein from2 listeria monocytogenes, trigonal form
45	c1y7pB	Alignment	not modelled	26.1	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein af1403; PDBTitle: 1.9 a crystal structure of a protein of unknown function2 af1403 from archaeoglobus fulgidus, probable metabolic3 regulator
46	d2fi0a1	Alignment	not modelled	20.8	18	Fold: SP0561-like Superfamily: SP0561-like Family: SP0561-like
47	c5xv8A	Alignment	not modelled	12.1	36	PDB header: nuclear protein Chain: A: PDB Molecule: uv-stimulated scaffold protein a; PDBTitle: solution structure of the complex between uvssa acidic region and2 tfiih p62 ph domain
48	c3zihB	Alignment	not modelled	11.3	19	PDB header: cell cycle Chain: B: PDB Molecule: cell division protein sepf; PDBTitle: bacillus subtilis sepf, c-terminal domain
49	c4otmB	Alignment	not modelled	10.9	15	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase gcn2; PDBTitle: crystal structure of the c-terminal domain from yeast gcn2
50	d1ul7a	Alignment	not modelled	10.1	22	Fold: TBP-like Superfamily: KA1-like Family: Kinase associated domain 1, KA1
51	c6qb7A	Alignment	not modelled	10.0	9	PDB header: signaling protein Chain: A: PDB Molecule: btb/poz domain-containing protein kctd16; PDBTitle: structure of the h1 domain of human kctd16
52	d1fmfa	Alignment	not modelled	9.8	8	Fold: Flavodoxin-like Superfamily: Cobalamin (vitamin B12)-binding domain Family: Cobalamin (vitamin B12)-binding domain
53	c5wjda	Alignment	not modelled	9.8	13	PDB header: transferase Chain: A: PDB Molecule: cg8481, isoform b; PDBTitle: crystal structure of naa80 bound to acetyl-coa
54	c5cupB	Alignment	not modelled	9.7	17	PDB header: transferase Chain: B: PDB Molecule: phosphate propanoyltransferase; PDBTitle: structure of rhodospseudomonas palustris pdul - phosphate bound form
55	d1kvka2	Alignment	not modelled	9.2	13	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Mevalonate kinase

56	d1whza_	Alignment	not modelled	9.0	18	Fold: dsRBD-like Superfamily: YcfA/nrd intein domain Family: YcfA-like
57	c6m8sM_	Alignment	not modelled	8.7	9	PDB header: signaling protein Chain: M: PDB Molecule: btb/poz domain-containing protein kctd12; PDBTitle: crystal structure of the kctd12 h1 domain in complex with gbeta1gamma22 subunits
58	c5tdyC_	Alignment	not modelled	8.6	33	PDB header: motor protein Chain: C: PDB Molecule: flagellar m-ring protein; PDBTitle: structure of cofolded flifc:flign complex from thermotoga maritima
59	c5by4A_	Alignment	not modelled	8.5	17	PDB header: protein transport Chain: A: PDB Molecule: protein tolr; PDBTitle: structure and function of the escherichia coli tol-pal stator protein2 tolr
60	c3mgjA_	Alignment	not modelled	8.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein mj1480; PDBTitle: crystal structure of the saccharop_dh_n domain of mj1480 protein from2 methanococcus janna_schii. northeast structural genomics consortium3 target mjr83a.
61	d2o0qa1	Alignment	not modelled	7.9	47	Fold: ADP-ribosylation Superfamily: ADP-ribosylation Family: CC0527-like
62	c3zvrA_	Alignment	not modelled	7.8	33	PDB header: hydrolase Chain: A: PDB Molecule: dynammin-1; PDBTitle: crystal structure of dynamin
63	c5zjbA_	Alignment	not modelled	7.7	18	PDB header: hydrolase Chain: A: PDB Molecule: putative cytokinin riboside 5'-monophosphate PDBTitle: crystal structure of type-i log from pseudomonas aeruginosa pao1
64	d1ufza_	Alignment	not modelled	7.6	14	Fold: RuvA C-terminal domain-like Superfamily: HBS1-like domain Family: HBS1-like domain
65	d1wdcc_	Alignment	not modelled	7.6	22	Fold: EF Hand-like Superfamily: EF-hand Family: Calmodulin-like
66	c5i0cA_	Alignment	not modelled	7.6	17	PDB header: hydrolase Chain: A: PDB Molecule: uncharacterized protein yj dj; PDBTitle: crystal structure of predicted acyltransferase yj dj with acyl-coa n-2 acyltransferase domain from escherichia coli str. k-12
67	c4c26A_	Alignment	not modelled	7.6	18	PDB header: toxin Chain: A: PDB Molecule: hica; PDBTitle: solution nmr structure of the hica toxin from burkholderia2 pseudomallei
68	c4p4sA_	Alignment	not modelled	7.4	17	PDB header: antiviral protein/hydrolase Chain: A: PDB Molecule: interferon-induced gtp-binding protein mx1; PDBTitle: gmppcp-bound stalkless-mxa
69	c3ifuA_	Alignment	not modelled	7.3	42	PDB header: transcription Chain: A: PDB Molecule: non-structural protein; PDBTitle: the crystal structure of porcine reproductive and respiratory syndrome2 virus (prsv) leader protease nsp1
70	d2fgca2	Alignment	not modelled	7.2	19	Fold: Ferredoxin-like Superfamily: ACT-like Family: llvH-like
71	c5j6bB_	Alignment	not modelled	7.1	17	PDB header: oxidoreductase Chain: B: PDB Molecule: aldehyde dehydrogenase; PDBTitle: crystal structure of aldehyde dehydrogenase from burkholderia2 thailandensis in covalent complex with nadph
72	c2m7eA_	Alignment	not modelled	7.1	38	PDB header: calmodulin-binding protein Chain: A: PDB Molecule: calcium-transporting atpase 2, plasma membrane-type; PDBTitle: solution structure of the calmodulin-binding domain of plant calcium-2 atpase aca2
73	c3ceuA_	Alignment	not modelled	7.1	17	PDB header: transferase Chain: A: PDB Molecule: thiamine phosphate pyrophosphorylase; PDBTitle: crystal structure of thiamine phosphate pyrophosphorylase (bt_0647)2 from bacteroides thetaiotaomicron. northeast structural genomics3 consortium target btr268
74	d2f06a1	Alignment	not modelled	7.1	19	Fold: Ferredoxin-like Superfamily: ACT-like Family: BT0572-like
75	c3j3bF_	Alignment	not modelled	6.7	10	PDB header: ribosome Chain: F: PDB Molecule: 60s ribosomal protein l7; PDBTitle: structure of the human 60s ribosomal proteins
76	c4whjA_	Alignment	not modelled	6.5	19	PDB header: antiviral protein, hydrolase Chain: A: PDB Molecule: interferon-induced gtp-binding protein mx2; PDBTitle: myxovirus resistance protein 2 (mx2)
77	c6ff2A_	Alignment	not modelled	6.4	13	PDB header: chaperone Chain: A: PDB Molecule: copper chaperone copz; PDBTitle: copz metallochaperone
78	c6fo1G_	Alignment	not modelled	6.1	7	PDB header: chaperone Chain: G: PDB Molecule: rna polymerase ii-associated protein 3; PDBTitle: human r2tp subcomplex containing 1 ruvl1-ruvl2 hexamer bound to 12 rbd domain from rpap3.
79	c3pf6C_	Alignment	not modelled	6.0	44	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: hypothetical protein pp-luz7_gp033; PDBTitle: the structure of uncharacterized protein pp-luz7_gp033 from2 pseudomonas phage luz7.
80	d1t35a_	Alignment	not modelled	5.7	20	Fold: MCP/YpsA-like Superfamily: MCP/YpsA-like Family: MoCo carrier protein-like
						PDB header: endocytosis

81	c5a3fD_	Alignment	not modelled	5.7	33	Chain: D; PDB Molecule: dynamin 3; PDBTitle: crystal structure of the dynamin tetramer
82	d2atra1	Alignment	not modelled	5.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
83	c3e8sA_	Alignment	not modelled	5.6	15	PDB header: transferase Chain: A; PDB Molecule: putative sam dependent methyltransferase; PDBTitle: crystal structure of putative sam dependent methyltransferase in2 complex with sah (np_744700.1) from pseudomonas putida kt2440 at 2.103 a resolution
84	c6ql4B_	Alignment	not modelled	5.5	38	PDB header: motor protein Chain: B; PDB Molecule: putative mitochondrial dynamin protein; PDBTitle: crystal structure of nucleotide-free mgm1
85	c3grzA_	Alignment	not modelled	5.5	19	PDB header: transferase Chain: A; PDB Molecule: ribosomal protein l11 methyltransferase; PDBTitle: crystal structure of ribosomal protein l11 methylase from2 lactobacillus delbrueckii subsp. bulgaricus
86	c3w7bB_	Alignment	not modelled	5.2	22	PDB header: hydrolase Chain: B; PDB Molecule: formyltetrahydrofolate deformylase; PDBTitle: crystal structure of formyltetrahydrofolate deformylase from thermus2 thermophilus hb8