

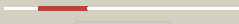





















# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3080c_(pknK)_3442653_3445985
Date	Thu Aug 8 16:20:25 BST 2019
Unique Job ID	6fd2960500d44e55

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c2pziA_</a>	 Alignment		100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> probable serine/threonine-protein kinase pknq; <b>PDBTitle:</b> crystal structure of protein kinase pknq from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
2	<a href="#">c5ebzF_</a>	 Alignment		100.0	26	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> F; <b>PDB Molecule:</b> inhibitor of nuclear factor kappa-b kinase subunit alpha; <b>PDBTitle:</b> crystal structure of human ikk1
3	<a href="#">c3qa8H_</a>	 Alignment		100.0	24	<b>PDB header:</b> immune system, signaling protein <b>Chain:</b> H; <b>PDB Molecule:</b> mgc80376 protein; <b>PDBTitle:</b> crystal structure of inhibitor of kappa b kinase beta
4	<a href="#">c3qa8A_</a>	 Alignment		100.0	25	<b>PDB header:</b> immune system, signaling protein <b>Chain:</b> A; <b>PDB Molecule:</b> mgc80376 protein; <b>PDBTitle:</b> crystal structure of inhibitor of kappa b kinase beta
5	<a href="#">c4im2A_</a>	 Alignment		100.0	24	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase tbk1; <b>PDBTitle:</b> structure of tank-binding kinase 1
6	<a href="#">c3nyoB_</a>	 Alignment		100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> g protein-coupled receptor kinase 6; <b>PDBTitle:</b> crystal structure of g protein-coupled receptor kinase 6 in complex2 with amp
7	<a href="#">c2acxB_</a>	 Alignment		100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> g protein-coupled receptor kinase 6; <b>PDBTitle:</b> crystal structure of g protein coupled receptor kinase 6 bound to2 amppnp
8	<a href="#">c3pfgA_</a>	 Alignment		100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> protein kinase c beta type; <b>PDBTitle:</b> crystal structure and allosteric activation of protein kinase c beta2 ii
9	<a href="#">c4wnkA_</a>	 Alignment		100.0	23	<b>PDB header:</b> ligase <b>Chain:</b> A; <b>PDB Molecule:</b> g protein-coupled receptor kinase 5; <b>PDBTitle:</b> crystal structure of bovine g protein coupled-receptor kinase 5 in2 complex with ccg215022
10	<a href="#">c4eqmE_</a>	 Alignment		100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> E; <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
11	<a href="#">c1ym7C_</a>	 Alignment		100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> C; <b>PDB Molecule:</b> beta-adrenergic receptor kinase 1; <b>PDBTitle:</b> g protein-coupled receptor kinase 2 (grk2)

12	<a href="#">c4i6hA_</a>	Alignment		100.0	22	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase plk2; <b>PDBTitle:</b> selective & brain-permeable polo-like kinase-2 (plk-2) inhibitors that2 reduce alpha-synuclein phosphorylation in rat brain
13	<a href="#">c4yhjA_</a>	Alignment		100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> g protein-coupled receptor kinase 4; <b>PDBTitle:</b> structure and function of the hypertension variant a486v of g protein-2 coupled receptor kinase 4 (grk4)
14	<a href="#">c3c4wB_</a>	Alignment		100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> rhodopsin kinase; <b>PDBTitle:</b> crystal structure of g protein coupled receptor kinase 1 bound to atp2 and magnesium chloride at 2.7a
15	<a href="#">c2vwiC_</a>	Alignment		100.0	29	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase osr1; <b>PDBTitle:</b> structure of the osr1 kinase, a hypertension drug target
16	<a href="#">c5dfzB_</a>	Alignment		100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase vps15; <b>PDBTitle:</b> structure of vps34 complex ii from s. cerevisiae.
17	<a href="#">c1koaA_</a>	Alignment		100.0	23	<b>PDB header:</b> kinase <b>Chain:</b> A: <b>PDB Molecule:</b> twitchin; <b>PDBTitle:</b> twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
18	<a href="#">c3c4yA_</a>	Alignment		100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rhodopsin kinase; <b>PDBTitle:</b> crystal structure of apo form of g protein coupled receptor kinase 12 at 7.51a
19	<a href="#">c4czuC_</a>	Alignment		100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> cbl-interacting serine/threonine-protein kinase 23; <b>PDBTitle:</b> crystal structure of the kinase domain of cipk23 t190d mutant
20	<a href="#">c3ckxA_</a>	Alignment		100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase 24; <b>PDBTitle:</b> crystal structure of sterile 20-like kinase 3 (mst3, stk24) in complex2 with staurosporine
21	<a href="#">c4x3fA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase pknA; <b>PDBTitle:</b> crystal structure of the intracellular domain of the m. tuberculosis2 ser/thr kinase pknA
22	<a href="#">c2fo0A_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase abl1 (1b isoform); <b>PDBTitle:</b> organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
23	<a href="#">c1mruB_</a>	Alignment	not modelled	100.0	34	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> probable serine/threonine-protein kinase pknB; <b>PDBTitle:</b> intracellular ser/thr protein kinase domain of mycobacterium2 tuberculosis pknB.
24	<a href="#">c5hmvA_</a>	Alignment	not modelled	100.0	30	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ppka n terminal; <b>PDBTitle:</b> crystal structure of ppka
25	<a href="#">c6c9dB_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase mark1,serine/threonine- <b>PDBTitle:</b> crystal structure of ka1-autoinhibited mark1 kinase
26	<a href="#">c4c0tA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> likely protein kinase; <b>PDBTitle:</b> candida albicans pkh kinase domain
27	<a href="#">c5nclA_</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase cbk1; <b>PDBTitle:</b> crystal structure of the cbk1-mob2 kinase-coactivator complex with an2 ssd1 peptide
28	<a href="#">c3soaA_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase type ii subunit

						<b>PDBTitle:</b> full-length human camkii
29	<a href="#">d1o6ya</a>	Alignment	not modelled	100.0	36	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
30	<a href="#">c6ccfB</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase kinase 1; <b>PDBTitle:</b> crystal structure of the human camk1a in complex with hesperadin
31	<a href="#">c2c30A</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase pak 6; <b>PDBTitle:</b> crystal structure of the human p21-activated kinase 6
32	<a href="#">c1oplA</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase; <b>PDBTitle:</b> structural basis for the auto-inhibition of c-abl tyrosine2 kinase
33	<a href="#">c4ci6B</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> transferase/structural protein <b>Chain:</b> B: <b>PDB Molecule:</b> protein kinase yopo; <b>PDBTitle:</b> mechanisms of crippling actin-dependent phagocytosis by yopo
34	<a href="#">c3q5iA</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> crystal structure of pbanka_031420
35	<a href="#">c2j0kB</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> focal adhesion kinase 1; <b>PDBTitle:</b> crystal structure of a fragment of focal adhesion kinase containing2 the ferm and kinase domains.
36	<a href="#">c2jamB</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase type 1g; <b>PDBTitle:</b> crystal structure of human calmodulin-dependent protein kinase i g
37	<a href="#">c4xi2A</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase btk; <b>PDBTitle:</b> crystal structure of an auto-inhibited form of bruton's tryrosine2 kinase
38	<a href="#">c6eqiC</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase pink1, putative; <b>PDBTitle:</b> structure of pink1 bound to ubiquitin
39	<a href="#">c5oatF</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> kinase <b>Chain:</b> F: <b>PDB Molecule:</b> serine/threonine-protein kinase pink1, mitochondrial-like <b>PDBTitle:</b> pink1_structure
40	<a href="#">c4y93A</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> non-specific protein-tyrosine kinase,non-specific protein- <b>PDBTitle:</b> crystal structure of the ph-th-kinase construct of bruton's tyrosine2 kinase (btk)
41	<a href="#">c4wb7B</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> dnaj homolog subfamily b member 1,camp-dependent protein <b>PDBTitle:</b> crystal structure of a chimeric fusion of human dnaj (hsp40) and camp-2 dependent protein kinase a (catalytic alpha subunit)
42	<a href="#">c4b6iA</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase plk3; <b>PDBTitle:</b> discovery of oral polo-like kinase (plk) inhibitors with enhanced2 selectivity profile using residue targeted drug design
43	<a href="#">c2ozoA</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase zap-70; <b>PDBTitle:</b> autoinhibited intact human zap-70
44	<a href="#">d2j4za1</a>	Alignment	not modelled	100.0	25	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
45	<a href="#">c4xhgA</a>	Alignment	not modelled	100.0	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> similar to uniprot p29295 saccharomyces cerevisiae ypl204w
46	<a href="#">c4fijA</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase pak 4; <b>PDBTitle:</b> catalytic domain of human pak4
47	<a href="#">c4dn5A</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 14; <b>PDBTitle:</b> crystal structure of nf-kb-inducing kinase (nik)
48	<a href="#">c3tkuB</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase mrck beta; <b>PDBTitle:</b> mrck beta in complex with fasudil
49	<a href="#">c3zzwA</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase transmembrane receptor ror2; <b>PDBTitle:</b> crystal structure of the kinase domain of ror2
50	<a href="#">c5d7vD</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> protein-tyrosine kinase 6; <b>PDBTitle:</b> crystal structure of ptk6 kinase domain
51	<a href="#">c5uuuA</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> beta-adrenergic receptor kinase 1; <b>PDBTitle:</b> design, synthesis, and evaluation of the first selective and potent g-2 protein-coupled receptor kinase 2 (grk2) inhibitor for the potential3 treatment of heart failure
52	<a href="#">c4myiA</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cgmp-dependent protein kinase, putative; <b>PDBTitle:</b> crystal structure of pvx_084705
53	<a href="#">c4fieB</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase pak 4; <b>PDBTitle:</b> full-length human pak4

54	<a href="#">c4fl2A</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase syk; <b>PDBTitle:</b> structural and biophysical characterization of the syk activation2 switch
55	<a href="#">c4wnoA</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase ulk1; <b>PDBTitle:</b> structure of ulk1 bound to an inhibitor
56	<a href="#">c4cfhA</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 5'-amp-activated protein kinase catalytic subunit alpha-1; <b>PDBTitle:</b> structure of an active form of mammalian ampk
57	<a href="#">c4y83B</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 8; <b>PDBTitle:</b> crystal structure of cot kinase domain in complex with 5-(2-amino-5-2 (quinolin-3-yl)pyridin-3-yl)-1,3,4-oxadiazole-2(3h)-thione
58	<a href="#">c5zjb</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase dclk1; <b>PDBTitle:</b> crystal structure of dclk1-kd in complex with amppn
59	<a href="#">c6fdzU</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> U: <b>PDB Molecule:</b> serine/threonine-protein kinase ulk3; <b>PDBTitle:</b> unc-51-like kinase 3 (ulk3) in complex with momelotinib
60	<a href="#">d1qcfa3</a>	Alignment	not modelled	100.0	27	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
61	<a href="#">d1phka</a>	Alignment	not modelled	100.0	26	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
62	<a href="#">c4eutA</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase tbk1; <b>PDBTitle:</b> structure of bx-795 complexed with unphosphorylated human tbk1 kinase-2 uld domain
63	<a href="#">c4cdaA</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine kinase as - a common ancestor of src and abl; <b>PDBTitle:</b> tyrosine kinase as - a common ancestor of src and abl
64	<a href="#">c3dfaA</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium-dependent protein kinase cgd3_920; <b>PDBTitle:</b> crystal structure of kinase domain of calcium-dependent protein kinase2 cgd3_920 from cryptosporidium parvum
65	<a href="#">c2y7jB</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphorylase b kinase gamma catalytic chain, testis/liver <b>PDBTitle:</b> structure of human phosphorylase kinase, gamma 2
66	<a href="#">c2a27B</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> death-associated protein kinase 2; <b>PDBTitle:</b> human drp-1 kinase, w305s s308a d40 mutant, crystal form with 82 monomers in the asymmetric unit
67	<a href="#">d1opja</a>	Alignment	not modelled	100.0	25	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
68	<a href="#">d1jksa</a>	Alignment	not modelled	100.0	22	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
69	<a href="#">c1k9aB</a>	Alignment	not modelled	100.0	30	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> carboxyl-terminal src kinase; <b>PDBTitle:</b> crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
70	<a href="#">d1yhwa1</a>	Alignment	not modelled	100.0	25	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
71	<a href="#">c2h8hA</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase src; <b>PDBTitle:</b> src kinase in complex with a quinazoline inhibitor
72	<a href="#">c4btfA</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mixed lineage kinase domain-like protein; <b>PDBTitle:</b> structure of mlkl
73	<a href="#">c2wtkC</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase/metal-binding protein <b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase 11; <b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex
74	<a href="#">d1qpca</a>	Alignment	not modelled	100.0	28	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
75	<a href="#">c6cqdB</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 1; <b>PDBTitle:</b> crystal structure of hpk1 in complex with atp analogue (amppnp)
76	<a href="#">c2qg5D</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase; <b>PDBTitle:</b> cryptosporidium parvum calcium dependent protein kinase cgd7_1840
77	<a href="#">c1y57A</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase src; <b>PDBTitle:</b> structure of unphosphorylated c-src in complex with an inhibitor
78	<a href="#">c3g0eA</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mast/stem cell growth factor receptor; <b>PDBTitle:</b> kit kinase domain in complex with sunitinib
						<b>PDB header:</b> transferase

79	<a href="#">c2bmcD_</a>	Alignment	not modelled	100.0	25	<b>Chain:</b> D: <b>PDB Molecule:</b> serine threonine-protein kinase 6; <b>PDBTitle:</b> aurora-2 t287d t288d complexed with pha-680632
80	<a href="#">c3lijA_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin dependent protein kinase with <b>PDBTitle:</b> crystal structure of full length cpdcpk3 (cgd5_820) in2 complex with ca2+ and amppnp
81	<a href="#">c2j51A_</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ste20-like serine/threonine-protein kinase; <b>PDBTitle:</b> crystal structure of human ste20-like kinase bound to 5-2 amino-3-((4-(aminosulfonyl)phenyl)amino)-n-(2,6-3 difluorophenyl)-1h-1,2,4-triazole-1-carbothioamide
82	<a href="#">c5x3fB_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> zpa963,camp-dependent protein kinase catalytic subunit <b>PDBTitle:</b> crystal structure of the ygig-protein a-zpa963-pka catalytic domain
83	<a href="#">c2ya9A_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> death-associated protein kinase 2; <b>PDBTitle:</b> crystal structure of the autoinhibited form of mouse dapk2
84	<a href="#">d1koaa2</a>	Alignment	not modelled	100.0	23	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
85	<a href="#">c2pvfA_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> fibroblast growth factor receptor 2; <b>PDBTitle:</b> crystal structure of tyrosine phosphorylated activated fgf receptor 22 (fgfr2) kinase domain in complex with atp analog and substrate3 peptide
86	<a href="#">c2vz6A_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium calmodulin dependent protein kinase type ii alpha <b>PDBTitle:</b> structure of human calcium calmodulin dependent protein kinase type ii2 alpha (camk2a) in complex with indirubin e804
87	<a href="#">c5ig1A_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> camk/camk2 protein kinase; <b>PDBTitle:</b> crystal structure of s. rosetta camkii kinase domain
88	<a href="#">c2bdwB_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> hypothetical protein k11e8.1d; <b>PDBTitle:</b> crystal structure of the auto-inhibited kinase domain of2 calcium/calmodulin activated kinase ii
89	<a href="#">c2ivsA_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase receptor ret; <b>PDBTitle:</b> crystal structure of non-phosphorylated ret tyrosine kinase domain
90	<a href="#">c2zv2A_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase kinase 2; <b>PDBTitle:</b> crystal structure of human calcium/calmodulin-dependent protein kinase2 kinase 2, beta, camk2 kinase domain in complex with sto-609
91	<a href="#">c1xjdA_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c, theta type; <b>PDBTitle:</b> crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
92	<a href="#">d1xjda_</a>	Alignment	not modelled	100.0	24	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
93	<a href="#">c3dpkA_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> macrophage colony-stimulating factor 1 receptor, fibroblast <b>PDBTitle:</b> cfms tyrosine kinase in complex with a pyridopyrimidinone inhibitor
94	<a href="#">c1lufA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> muscle-specific tyrosine kinase receptor musk; <b>PDBTitle:</b> crystal structure of the musk tyrosine kinase: insights into receptor2 autoregulation
95	<a href="#">d1lufa_</a>	Alignment	not modelled	100.0	26	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
96	<a href="#">c5u6bD_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> D: <b>PDB Molecule:</b> tyrosine-protein kinase receptor ufo; <b>PDBTitle:</b> structure of the axl kinase domain in complex with a macrocyclic2 inhibitor
97	<a href="#">c6d1yA_</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase/inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> high affinity nerve growth factor receptor; <b>PDBTitle:</b> crystal structure of tyrosine-protein kinase receptor in complex with2 2,4-dichloro-n-(3-methyl-1-phenyl-1h-pyrazol-5-yl)benzamide inhibitor
98	<a href="#">c5o0yA_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase tousled-like 2; <b>PDBTitle:</b> tlk2 kinase domain from human
99	<a href="#">c3byvA_</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rhophtry kinase; <b>PDBTitle:</b> crystal structure of toxoplasma gondii specific rhophtry2 antigen kinase domain
100	<a href="#">c3hztA_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium-dependent protein kinase 3; <b>PDBTitle:</b> crystal structure of toxoplasma gondii cdpk3, tgme49_105860
101	<a href="#">c2c0iA_</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase hck; <b>PDBTitle:</b> src family kinase hck with bound inhibitor a-420983
102	<a href="#">d1uwha_</a>	Alignment	not modelled	100.0	24	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like)

						<b>Family:</b> Protein kinases, catalytic subunit
103	<a href="#">c2jfla1</a>	Alignment	not modelled	100.0	23	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
104	<a href="#">c2rsvA</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase vrk1; <b>PDBTitle:</b> solution structure of human full-length vaccinia related kinase 12 (vrk1)
105	<a href="#">c3sv0A</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> casein kinase i-like; <b>PDBTitle:</b> crystal structure of casein kinase-1 like protein in plant
106	<a href="#">d1o6la</a>	Alignment	not modelled	100.0	24	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
107	<a href="#">c2a1aB</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> protein synthesis/transferase <b>Chain:</b> B; <b>PDB Molecule:</b> interferon-induced, double-stranded rna-activated protein <b>PDBTitle:</b> pkr kinase domain-eif2alpha complex
108	<a href="#">c6jkmA</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> mitotic checkpoint control protein kinase bub1; <b>PDBTitle:</b> crystal structure of bubr1 kinase domain
109	<a href="#">c3cblA</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase fes/ffps; <b>PDBTitle:</b> crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
110	<a href="#">c2bujA</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase 16; <b>PDBTitle:</b> crystal structure of the human serine-threonine kinase 16 in complex2 with staurosporine
111	<a href="#">c4lqdB</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> signaling protein <b>Chain:</b> B; <b>PDB Molecule:</b> serine/threonine-protein kinase 3; <b>PDBTitle:</b> structural basis for autoactivation of human mst2 kinase and its2 regulation by rassf5
112	<a href="#">c2wtkB</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase/metal-binding protein <b>Chain:</b> B; <b>PDB Molecule:</b> ste20-related kinase adapter protein alpha; <b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalalpha-mo25alpha2 complex
113	<a href="#">c3d9vA</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> rho-associated protein kinase 1; <b>PDBTitle:</b> crystal structure of rock i bound to h-1152p a di-2 methylated variant of fasudil
114	<a href="#">d1ckia</a>	Alignment	not modelled	100.0	18	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
115	<a href="#">d1csna</a>	Alignment	not modelled	100.0	18	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
116	<a href="#">c4ebwA</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A; <b>PDB Molecule:</b> focal adhesion kinase 1; <b>PDBTitle:</b> structure of focal adhesion kinase catalytic domain in complex with2 novel allosteric inhibitor
117	<a href="#">c2x4fA</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> myosin light chain kinase family member 4; <b>PDBTitle:</b> the crystal structure of the human myosin light chain kinase2 loc340156.
118	<a href="#">c4btjB</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> tau-tubulin kinase 1; <b>PDBTitle:</b> ttbk1 in complex with atp
119	<a href="#">c2wqmA</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase nek7; <b>PDBTitle:</b> structure of apo human nek7
120	<a href="#">c3d4qA</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> b-raf proto-oncogene serine/threonine-protein kinase; <b>PDBTitle:</b> pyrazole-based inhibitors of b-raf kinase