





















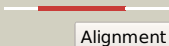

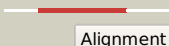







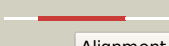

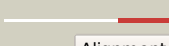
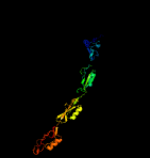




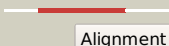

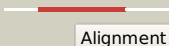

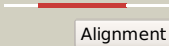
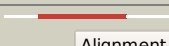




Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0014c_pknB_15590_17470
Date	Tue Jul 23 14:50:04 BST 2019
Unique Job ID	b97e04bd20bf31ef

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2pziA_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: probable serine/threonine-protein kinase pknq; PDBTitle: crystal structure of protein kinase pknq from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
2	c5ebzF_	 Alignment		100.0	26	PDB header: transferase/transferase inhibitor Chain: F: PDB Molecule: inhibitor of nuclear factor kappa-b kinase subunit alpha; PDBTitle: crystal structure of human ikk1
3	c3qa8H_	 Alignment		100.0	28	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
4	c1mruB_	 Alignment		100.0	100	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknq; PDBTitle: intracellular ser/thr protein kinase domain of mycobacterium2 tuberculosis pknq.
5	c4im2A_	 Alignment		100.0	27	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1
6	c3qa8A_	 Alignment		100.0	28	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
7	c3nyoB_	 Alignment		100.0	24	PDB header: transferase Chain: B: PDB Molecule: g protein-coupled receptor kinase 6; PDBTitle: crystal structure of g protein-coupled receptor kinase 6 in complex2 with amp
8	c3pfgA_	 Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
9	c2acxB_	 Alignment		100.0	23	PDB header: transferase Chain: B: PDB Molecule: g protein-coupled receptor kinase 6; PDBTitle: crystal structure of g protein coupled receptor kinase 6 bound to2 amppnp
10	d1o6ya_	 Alignment		100.0	99	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
11	c4i6hA_	 Alignment		100.0	25	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase plk2; PDBTitle: selective & brain-permeable polo-like kinase-2 (plk-2) inhibitors that2 reduce alpha-synuclein phosphorylation in rat brain

12	c4wnkA_	 Alignment		100.0	24	PDB header: ligase Chain: A: PDB Molecule: g protein-coupled receptor kinase 5; PDBTitle: crystal structure of bovine g protein coupled-receptor kinase 5 in2 complex with ccg215022
13	c1koaA_	 Alignment		100.0	28	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
14	c1ym7C_	 Alignment		100.0	23	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
15	c4yhjA_	 Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: g protein-coupled receptor kinase 4; PDBTitle: structure and function of the hypertension variant a486v of g protein-2 coupled receptor kinase 4 (grk4)
16	c4eqmE_	 Alignment		100.0	39	PDB header: transferase Chain: E: PDB Molecule: protein kinase; PDBTitle: structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
17	c4czuC_	 Alignment		100.0	26	PDB header: transferase Chain: C: PDB Molecule: cbl-interacting serine/threonine-protein kinase 23; PDBTitle: crystal structure of the kinase domain of cipk23 t190d mutant
18	c2kuiA_	 Alignment		100.0	100	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pknb; PDBTitle: nmr structure of the pasta domain of mycobacterium tuberculosis of2 pknb
19	c3c4wB_	 Alignment		100.0	25	PDB header: transferase Chain: B: PDB Molecule: rhodopsin kinase; PDBTitle: crystal structure of g protein coupled receptor kinase 1 bound to atp2 and magnesium chloride at 2.7a
20	c4x3fA_	 Alignment		100.0	40	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pknA; PDBTitle: crystal structure of the intracellular domain of the m. tuberculosis2 ser/thr kinase pknA
21	c6c9dB_	 Alignment	not modelled	100.0	29	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase mark1,serine/threonine- PDBTitle: crystal structure of ka1-autoinhibited mark1 kinase
22	c2fo0A_	 Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase abl1 (1b isoform); PDBTitle: organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
23	c4c0tA_	 Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: likely protein kinase; PDBTitle: candida albicans pkh kinase domain
24	c3q5iA_	 Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
25	c3c4yA_	 Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: rhodopsin kinase; PDBTitle: crystal structure of apo form of g protein coupled receptor kinase 12 at 7.51a
26	c2vwiC_	 Alignment	not modelled	100.0	29	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
27	c5nclA_	 Alignment	not modelled	100.0	24	PDB header: signaling protein Chain: A: PDB Molecule: serine/threonine-protein kinase cbk1; PDBTitle: crystal structure of the cbk1-mob2 kinase-coactivator complex with an2 ssd1 peptide
28	c3ckxA_	 Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase 24; PDBTitle: crystal structure of sterile 20-like kinase 3 (mst3, stk24) in complex2 with staurosporine

29	c4b6IA	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase plk3; PDBTitle: discovery of oral polo-like kinase (plk) inhibitors with enhanced2 selectivity profile using residue targeted drug design
30	c4myiA	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: cgmp-dependent protein kinase, putative; PDBTitle: crystal structure of pvx_084705
31	c4wb7B	Alignment	not modelled	100.0	25	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: dnaj homolog subfamily b member 1,camp-dependent protein PDBTitle: crystal structure of a chimeric fusion of human dnaj (hsp40) and camp-2 dependent protein kinase a (catalytic alpha subunit)
32	c4cfhA	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: 5'-amp-activated protein kinase catalytic subunit alpha-1; PDBTitle: structure of an active form of mammalian ampk
33	c3soaA	Alignment	not modelled	100.0	28	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
34	c1oplA	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
35	c2jamB	Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase type 1g; PDBTitle: crystal structure of human calmodulin-dependent protein kinase i g
36	c6ccfB	Alignment	not modelled	100.0	26	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase kinase 1; PDBTitle: crystal structure of the human camkk1a in complex with hesperadin
37	c4btfA	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: mixed lineage kinase domain-like protein; PDBTitle: structure of mlkl
38	d2j4za1	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
39	c2c30A	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
40	c5uuuA	Alignment	not modelled	100.0	22	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: 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
41	c5dfzB	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase vps15; PDBTitle: structure of vps34 complex ii from s. cerevisiae.
42	c5hmvA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: ppka n terminal; PDBTitle: crystal structure of ppka
43	c3tkuB	Alignment	not modelled	100.0	24	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
44	c2j0kB	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: focal adhesion kinase 1; PDBTitle: crystal structure of a fragment of focal adhesion kinase containing2 the ferm and kinase domains.
45	c4xi2A	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: crystal structure of an auto-inhibited form of bruton's tyrosine2 kinase
46	c4fl2A	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
47	c4fijA	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
48	c4y93A	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: non-specific protein-tyrosine kinase,non-specific protein- PDBTitle: crystal structure of the ph-th-kinase construct of bruton's tyrosine2 kinase (btk)
49	c2a27B	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: death-associated protein kinase 2; PDBTitle: human drp-1 kinase, w305s s308a d40 mutant, crystal form with 82 monomers in the asymmetric unit
50	d1phka	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
51	c4xhgA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: similar to uniprot p29295 saccharomyces cerevisiae ypl204w
52	d1jksa	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
53	c2wtkC	Alignment	not modelled	100.0	24	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-stradalphamo25alpha2 complex

54	c2y7jB_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, testis/liver PDBTitle: structure of human phosphorylase kinase, gamma 2
55	c2h8hA_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
56	c2ozoA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
57	d1qcfa3	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
58	c3lijA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: calcium/calmodulin dependent protein kinase with PDBTitle: crystal structure of full length cpdpk3 (cgd5_820) in2 complex with ca2+ and amppnp
59	c4fieB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
60	c2qg5D_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
61	c1y57A_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
62	c6fdzU_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: U: PDB Molecule: serine/threonine-protein kinase ulk3; PDBTitle: unc-51-like kinase 3 (ulk3) in complex with momelotinib
63	c3zzwA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
64	c5zjzB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase dclk1; PDBTitle: crystal structure of dclk1-kd in complex with amppn
65	c5d7vD_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: D: PDB Molecule: protein-tyrosine kinase 6; PDBTitle: crystal structure of ptk6 kinase domain
66	c5oatF_	Alignment	not modelled	100.0	22	PDB header: kinase Chain: F: PDB Molecule: serine/threonine-protein kinase pink1, mitochondrial-like PDBTitle: pink1 structure
67	c4wnoA_	Alignment	not modelled	100.0	31	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase ulk1; PDBTitle: structure of ulk1 bound to an inhibitor
68	c4y83B_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase 8; PDBTitle: 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
69	c3dfaA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase cgd3_920; PDBTitle: crystal structure of kinase domain of calcium-dependent protein kinase2 cgd3_920 from cryptosporidium parvum
70	c4eutA_	Alignment	not modelled	100.0	28	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of bx-795 complexed with unphosphorylated human tbk1 kinase-2 uld domain
71	c6eqiC_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase pink1, putative; PDBTitle: structure of pink1 bound to ubiquitin
72	c1k9aB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: carboxyl-terminal src kinase; PDBTitle: crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
73	c4dn5A_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik)
74	c4ci6B_	Alignment	not modelled	100.0	18	PDB header: transferase/structural protein Chain: B: PDB Molecule: protein kinase yopo; PDBTitle: mechanisms of crippling actin-dependent phagocytosis by yopo
75	c2bmcD_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
76	c3hztA_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cpdpk3, tgme49_105860
77	d1yhwa1	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
78	d1opja_	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
						PDB header: transferase

79	c4cdsA	Alignment	not modelled	100.0	31	Chain: A: PDB Molecule: tyrosine kinase as - a common ancestor of src and abl; PDBTitle: tyrosine kinase as - a common ancestor of src and abl
80	c2bdwB	Alignment	not modelled	100.0	29	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein k11e8.1d; PDBTitle: crystal structure of the auto-inhibited kinase domain of2 calcium/calmodulin activated kinase ii
81	c2ya9A	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse dapk2
82	c2bujA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase 16; PDBTitle: crystal structure of the human serine-threonine kinase 16 in complex2 with staurosporine
83	c3d9vA	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: rho-associated protein kinase 1; PDBTitle: crystal structure of rock i bound to h-1152p a di-2 methylated variant of fasudil
84	c5x3fB	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: zpa963,camp-dependent protein kinase catalytic subunit PDBTitle: crystal structure of the ygjg-protein a-zpa963-pka catalytic domain
85	c2a1aB	Alignment	not modelled	100.0	24	PDB header: protein synthesis/transferase Chain: B: PDB Molecule: interferon-induced, double-stranded rna-activated protein PDBTitle: pkr kinase domain-eif2alpha complex
86	d1koa2	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
87	d1xjda	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
88	c1xjdA	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
89	c5ig1A	Alignment	not modelled	100.0	30	PDB header: transferase Chain: A: PDB Molecule: camk/camk2 protein kinase; PDBTitle: crystal structure of s. rosetta camkii kinase domain
90	c2j51A	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: ste20-like serine/threonine-protein kinase; PDBTitle: 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
91	c4qfrA	Alignment	not modelled	100.0	26	PDB header: signaling protein/inhibitor/activator Chain: A: PDB Molecule: 5'-amp-activated protein kinase catalytic subunit alpha-1; PDBTitle: structure of ampk in complex with ci-a769662 activator and2 staurosporine inhibitor
92	c2ivsA	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor ret; PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase domain
93	c6cqdB	Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase kinase 1; PDBTitle: crystal structure of hpk1 in complex with atp analogue (ampnp)
94	c5u6bD	Alignment	not modelled	100.0	21	PDB header: transferase/transferase inhibitor Chain: D: PDB Molecule: tyrosine-protein kinase receptor ufo; PDBTitle: structure of the axl kinase domain in complex with a macrocyclic2 inhibitor
95	c2zv2A	Alignment	not modelled	100.0	25	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase kinase 2; PDBTitle: crystal structure of human calcium/calmodulin-dependent protein kinase2 kinase 2, beta, camk2 kinase domain in complex with sto-609
96	c2wtkB	Alignment	not modelled	100.0	21	PDB header: transferase/metal-binding protein Chain: B: PDB Molecule: ste20-related kinase adapter protein alpha; PDBTitle: structure of the heterotrimeric lkb1-stradalphamo25alpha2 complex
97	c2c0iA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
98	d1qpca	Alignment	not modelled	100.0	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
99	c5o0yA	Alignment	not modelled	100.0	29	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase tousled-like 2; PDBTitle: tlk2 kinase domain from human
100	c3g0eA	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
101	c2vz6A	Alignment	not modelled	100.0	29	PDB header: transferase Chain: A: PDB Molecule: calcium calmodulin dependent protein kinase type ii alpha PDBTitle: structure of human calcium calmodulin dependent protein kinase type ii2 alpha (camk2a) in complex with indirubin e804
102	c2rsvA	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase vrk1; PDBTitle: solution structure of human full-length vaccinia related kinase 12 (vrk1)

103	c4lqsA_	Alignment	not modelled	100.0	24	PDB header: transferase/transferase activator Chain: A: PDB Molecule: serine/threonine-protein kinase cbk1; PDBTitle: crystal structure of the cbk1-mob2 kinase-coactivator complex
104	c5dvtA_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: A: PDB Molecule: calmodulin-domain protein kinase 1; PDBTitle: crystal structure of tgcdpk1 from toxoplasma gondii complexed with 5gb
105	d2jfla1	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
106	d1ckia_	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
107	d1koba_	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
108	c3cblA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
109	c2r7bA_	Alignment	not modelled	100.0	30	PDB header: signaling protein, transferase Chain: A: PDB Molecule: phosphoinositide-dependent protein kinase 1; PDBTitle: crystal structure of the phosphoinositide-dependent kinase-2 1 (pdk-1)catalytic domain bound to a dibenzonaphthridine3 inhibitor
110	c2wqmA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase nek7; PDBTitle: structure of apo human nek7
111	c6jkmA_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: mitotic checkpoint control protein kinase bub1; PDBTitle: crystal structure of bubr1 kinase domain
112	c1lufA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: muscle-specific tyrosine kinase receptor musk; PDBTitle: crystal structure of the musk tyrosine kinase: insights into receptor2 autoregulation
113	d1lufa_	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
114	d1uwha_	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
115	d1o6la_	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
116	c3c0hB_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: peripheral plasma membrane protein cask; PDBTitle: cask cam-kinase domain- amppnp complex, p1 form
117	d1nvra_	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
118	c6d1yA_	Alignment	not modelled	100.0	24	PDB header: transferase/inhibitor Chain: A: PDB Molecule: high affinity nerve growth factor receptor; PDBTitle: crystal structure of tyrosine-protein kinase receptor in complex with 2,4-dichloro-n-(3-methyl-1-phenyl-1h-pyrazol-5-yl)benzamide inhibitor
119	c3dpkA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor, fibroblast PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone inhibitor
120	c4oliA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: non-receptor tyrosine-protein kinase tyk2; PDBTitle: the pseudokinase/kinase protein from jak-family member tyk2