

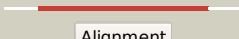

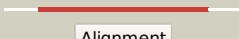


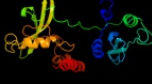

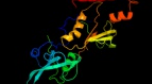























Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q9XXE5
Date	Sat Apr 13 12:56:17 BST 2013
Unique Job ID	a9c1dc10b9904a8a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2fo0A_	 Alignment		100.0	28	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
2	c1oplA_	 Alignment		100.0	29	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
3	c1y57A_	 Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
4	c2h8hA_	 Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
5	c1k9aB_	 Alignment		100.0	26	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
6	c2c0iA_	 Alignment		100.0	29	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
7	c4fi2A_	 Alignment		100.0	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
8	c2ozoA_	 Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
9	c3cblA_	 Alignment		100.0	29	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/ffps; PDBTitle: crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
10	c2j0kB_	 Alignment		99.9	29	PDB header: transferase Chain: B: PDB Molecule: focal adhesion kinase 1; PDBTitle: crystal structure of a fragment of focal adhesion kinase2 containing the ferm and kinase domains.
11	c4im2A_	 Alignment		99.9	24	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1

12	c3g0eA	Alignment		99.9	25	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
13	c3pfqA	Alignment		99.9	18	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
14	c2acxB	Alignment		99.9	16	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
15	d3bu3a1	Alignment		99.9	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
16	c3lxxA	Alignment		99.9	22	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase jak3; PDBTitle: structural and thermodynamic characterization of the tyk2 and jak32 kinase domains in complex with cp-690550 and cmp-6
17	c3qa8H	Alignment		99.9	27	PDB header: immune system, signaling protein Chain: H: PDB Molecule: imgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
18	c2ivsA	Alignment		99.9	28	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase2 domain
19	c3d4qA	Alignment		99.9	23	PDB header: transferase Chain: A: PDB Molecule: b-raf proto-oncogene serine/threonine-protein kinase; PDBTitle: pyrazole-based inhibitors of b-raf kinase
20	c4ebwA	Alignment		99.9	29	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: focal adhesion kinase 1; PDBTitle: structure of focal adhesion kinase catalytic domain in complex with2 novel allosteric inhibitor
21	d1opja	Alignment	not modelled	99.9	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
22	c2vwiC	Alignment	not modelled	99.9	23	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
23	c3soaA	Alignment	not modelled	99.9	16	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
24	c3zzwA	Alignment	not modelled	99.9	27	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
25	c4aojA	Alignment	not modelled	99.9	26	PDB header: transferase Chain: A: PDB Molecule: high affinity nerve growth factor receptor; PDBTitle: human trka in complex with the inhibitor az-23
26	c3lxnA	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: non-receptor tyrosine-protein kinase tyk2; PDBTitle: structural and thermodynamic characterization of the tyk2 and jak32 kinase domains in complex with cp-690550 and cmp-6
27	c3tkuB	Alignment	not modelled	99.9	24	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
28	c3fupB	Alignment	not modelled	99.9	23	PDB header: transferase Chain: B: PDB Molecule: tyrosine-protein kinase jak2; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes

29	d1qcfa3	Alignment	not modelled	99.9	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
30	c1ym7C_	Alignment	not modelled	99.9	15	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
31	c3vw6B_	Alignment	not modelled	99.9	22	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: crystal structure of human apoptosis signal-regulating kinase 1 (ask1)2 with imidazopyridine inhibitor
32	c3eygA_	Alignment	not modelled	99.9	22	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
33	d1lufa_	Alignment	not modelled	99.9	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
34	c1lufA_	Alignment	not modelled	99.9	24	PDB header: transferase Chain: A: PDB Molecule: muscle-specific tyrosine kinase receptor musk; PDBTitle: crystal structure of the musk tyrosine kinase: insights2 into receptor autoregulation
35	c3cc6A_	Alignment	not modelled	99.9	25	PDB header: transferase Chain: A: PDB Molecule: protein tyrosine kinase 2 beta; PDBTitle: crystal structure of kinase domain of protein tyrosine kinase 2 beta2 (ptk2b)
36	c1koaA_	Alignment	not modelled	99.9	22	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
37	d1uwha_	Alignment	not modelled	99.9	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
38	c3qa8A_	Alignment	not modelled	99.9	28	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
39	c2pvfA_	Alignment	not modelled	99.9	22	PDB header: transferase Chain: A: PDB Molecule: fibroblast growth factor receptor 2; PDBTitle: crystal structure of tyrosine phosphorylated activated fgf receptor 2 (fgfr2) kinase domain in complex with atp analog and substrate3 peptide
40	d1u59a_	Alignment	not modelled	99.9	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
41	d2psqa1	Alignment	not modelled	99.9	20	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
42	c2psqA_	Alignment	not modelled	99.9	20	PDB header: transferase Chain: A: PDB Molecule: fibroblast growth factor receptor 2; PDBTitle: crystal structure of unphosphorylated unactivated wild type2 fgf receptor 2 (fgfr2) kinase domain
43	c2w1iB_	Alignment	not modelled	99.9	22	PDB header: transferase Chain: B: PDB Molecule: jak2; PDBTitle: structure determination of aurora kinase in complex with2 inhibitor
44	c3c4wB_	Alignment	not modelled	99.9	19	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
45	c1yviA_	Alignment	not modelled	99.9	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase jak3; PDBTitle: crystal structure of the jak3 kinase domain in complex with2 a staurosporine analogue
46	d1qpca_	Alignment	not modelled	99.9	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
47	d1mp8a_	Alignment	not modelled	99.9	29	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
48	c3q5iA_	Alignment	not modelled	99.9	24	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
49	c2c30A_	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
50	c3c4yA_	Alignment	not modelled	99.9	17	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
51	c4e1zA_	Alignment	not modelled	99.9	18	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: non-receptor tyrosine-protein kinase tyk2; PDBTitle: structure of mouse tyk-2 complexed to a 3-aminoindazole inhibitor
52	d1s9ja_	Alignment	not modelled	99.9	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
53	d2jfla1	Alignment	not modelled	99.9	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
54	d1xkka_	Alignment	not modelled	99.9	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
						PDB header: transferase

55	c1xkka_	Alignment	not modelled	99.9	26	Chain: A: PDB Molecule: epidermal growth factor receptor; PDBTitle: egfr kinase domain complexed with a quinazoline inhibitor-2 gw572016
56	c2jamB_	Alignment	not modelled	99.9	19	PDB header: transferase Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase type PDBTitle: crystal structure of human calmodulin-dependent protein2 kinase i g
57	c2qobA_	Alignment	not modelled	99.9	32	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase domain, base structure
58	d1jpaa_	Alignment	not modelled	99.9	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
59	c3nyoB_	Alignment	not modelled	99.8	15	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
60	c3l9pA_	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: anaplastic lymphoma kinase; PDBTitle: crystal structure of the anaplastic lymphoma kinase catalytic domain
61	c2j51A_	Alignment	not modelled	99.8	24	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
62	c2r5tA_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase sgk1; PDBTitle: crystal structure of inactive serum and glucocorticoid-2 regulated kinase 1 in complex with amp-pnp
63	c3kulB_	Alignment	not modelled	99.8	27	PDB header: transferase Chain: B: PDB Molecule: ephrin type-a receptor 8; PDBTitle: kinase domain of human ephrin type-a receptor 8 (epha8)
64	c3hztA_	Alignment	not modelled	99.8	24	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
65	d2j4za1	Alignment	not modelled	99.8	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
66	d1fvra_	Alignment	not modelled	99.8	30	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
67	c3dpkA_	Alignment	not modelled	99.8	27	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor; PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
68	c2bdwB_	Alignment	not modelled	99.8	22	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
69	c2clqA_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: structure of mitogen-activated protein kinase kinase kinase2 5
70	c3p23B_	Alignment	not modelled	99.8	25	PDB header: hydrolase, transferase Chain: B: PDB Molecule: serine/threonine-protein kinase/endoribonuclease ire1; PDBTitle: crystal structure of the human kinase and rnase domains in complex2 with adp
71	d1sm2a_	Alignment	not modelled	99.8	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
72	d1p4oa_	Alignment	not modelled	99.8	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
73	c3rp9A_	Alignment	not modelled	99.8	15	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase; PDBTitle: crystal structure of the apo mapk from toxoplasma gondii, 25.m01780 or2 tgme49_007820
74	d1fmka3	Alignment	not modelled	99.8	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
75	c4eutA_	Alignment	not modelled	99.8	23	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
76	d1mqba_	Alignment	not modelled	99.8	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
77	c2a27B_	Alignment	not modelled	99.8	23	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
78	d1phka_	Alignment	not modelled	99.8	20	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
79	d1koba_	Alignment	not modelled	99.8	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
80	d1lob3a_	Alignment	not modelled	99.8	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like)

						Family: Protein kinases, catalytic subunit
81	c4dn5A	Alignment	not modelled	99.8	20	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik)
82	d1k2pa	Alignment	not modelled	99.8	29	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
83	d1fgka	Alignment	not modelled	99.8	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
84	c3p1aA	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: membrane-associated tyrosine- and threonine-specific cdc2- PDBTitle: structure of human membrane-associated tyrosine- and threonine-2 specific cdc2-inhibitory kinase myt1 (pkmyt1)
85	d1t46a	Alignment	not modelled	99.8	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
86	c3d9vA	Alignment	not modelled	99.8	19	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
87	c3dfaA	Alignment	not modelled	99.8	15	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
88	c2vd5A	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: dmpk protein; PDBTitle: structure of human myotonic dystrophy protein kinase in2 complex with the bisindoylmaleide inhibitor bim viii
89	c4fjA	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
90	c4fieB	Alignment	not modelled	99.8	22	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
91	c3ku2A	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: calmodulin-domain protein kinase 1; PDBTitle: crystal structure of inactivated form of cdpk1 from toxoplasma gondii,2 tgme49.101440
92	c4apcA	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase nek1; PDBTitle: crystal structure of human nima-related kinase 1 (nek1)
93	c3lvpD	Alignment	not modelled	99.8	28	PDB header: transferase Chain: D: PDB Molecule: insulin-like growth factor 1 receptor; PDBTitle: crystal structure of bisphosphorylated igf1-r kinase domain (2p) in2 complex with a bis-azaindole inhibitor
94	c3hkoA	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase with a kinase PDBTitle: crystal structure of a cdpk kinase domain from cryptosporidium parvum,2 cgd7_40
95	c2bmcD	Alignment	not modelled	99.8	26	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
96	d1jksa	Alignment	not modelled	99.8	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
97	c3ckxA	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase 24; PDBTitle: crystal structure of sterile 20-like kinase 3 (mst3, stk24)2 in complex with staurosporine
98	d1uu3a	Alignment	not modelled	99.8	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
99	c2qg5D	Alignment	not modelled	99.8	23	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
100	c3eqiA	Alignment	not modelled	99.8	25	PDB header: transferase Chain: A: PDB Molecule: dual specificity mitogen-activated protein kinase kinase 1; PDBTitle: x-ray structure of the human mitogen-activated protein kinase kinase 12 (mek1) in a binary complex with adp and mg2p
101	c3k54A	Alignment	not modelled	99.8	32	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: structures of human bruton's tyrosine kinase in active and inactive2 conformations suggests a mechanism of activation for tec family3 kinases.
102	d1u5ra	Alignment	not modelled	99.8	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
103	d1yhwa1	Alignment	not modelled	99.8	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
104	c4dc2A	Alignment	not modelled	99.8	16	PDB header: transferase/transferase substrate Chain: A: PDB Molecule: protein kinase c iota type; PDBTitle: structure of pkc in complex with a substrate peptide from par-3
105	c2ya9A	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse

						dapk2
106	d1o6la_	Alignment	not modelled	99.8	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
107	d1xbba_	Alignment	not modelled	99.8	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
108	c1u5qA_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: A: PDB Molecule: serine/threonine protein kinase tao2; PDBTitle: crystal structure of the tao2 kinase domain: activation and2 specificity of a ste20p map3k
109	d1o6ya_	Alignment	not modelled	99.8	17	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
110	c1kobB_	Alignment	not modelled	99.8	19	PDB header: kinase Chain: B: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
111	c4ivrA_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase jak2; PDBTitle: crystal structure of the jak2 pseudokinase domain mutant v617f (mg-2 atp-bound form)
112	c2qofA_	Alignment	not modelled	99.8	32	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase and juxtamembrane region, y596f mutant
113	c2x4fA_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: myosin light chain kinase family member 4; PDBTitle: the crystal structure of the human myosin light chain2 kinase loc340156.
114	c1mruB_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.
115	c3igoA_	Alignment	not modelled	99.8	16	PDB header: transferase Chain: A: PDB Molecule: calmodulin-domain protein kinase 1; PDBTitle: crystal structure of cryptosporidium parvum cdpk1, cgd3_920
116	d1tkia_	Alignment	not modelled	99.8	13	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
117	c3v5qB_	Alignment	not modelled	99.8	24	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: nt-3 growth factor receptor; PDBTitle: discovery of a selective trk inhibitor with efficacy in rodent cancer2 tumor models
118	c3an0A_	Alignment	not modelled	99.8	25	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: dual specificity mitogen-activated protein kinase kinase 6; PDBTitle: crystal structure of non-phosphorylated map2k6 as a putative auto2 inhibition state
119	d1xwsa_	Alignment	not modelled	99.8	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
120	c2vz6A_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: calcium calmodulin dependent protein kinase type ii alpha PDBTitle: structure of human calcium calmodulin dependent protein2 kinase type ii alpha (camk2a) in complex with indirubin3 e804