

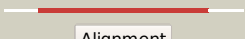

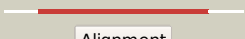











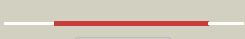













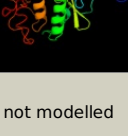


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P14234
Date	Wed Jul 10 14:36:25 BST 2013
Unique Job ID	d1975300f534fe81

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1y57A_	 Alignment		100.0	74	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
2	c2h8hA_	 Alignment		100.0	74	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
3	c2fo0A_	 Alignment		100.0	42	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
4	c1op1A_	 Alignment		100.0	43	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
5	c2c0iA_	 Alignment		100.0	62	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
6	c1k9aB_	 Alignment		100.0	40	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
7	c2ozoA_	 Alignment		100.0	35	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
8	c4fi2A_	 Alignment		100.0	36	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
9	c3cblA_	 Alignment		100.0	37	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
10	c2j0kB_	 Alignment		100.0	32	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	d1qcfa3	 Alignment		100.0	64	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit

12	d1qpca_	Alignment		100.0	62	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
13	d1opja_	Alignment		100.0	45	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
14	c3zzwA_	Alignment		100.0	35	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
15	d1u59a_	Alignment		100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
16	c4im2A_	Alignment		100.0	24	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tkb1; PDBTitle: structure of tank-binding kinase 1
17	d1fmka3	Alignment		100.0	80	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
18	d1k2pa_	Alignment		100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
19	c2ivsA_	Alignment		100.0	37	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase2 domain
20	c3qa8H_	Alignment		100.0	26	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
21	c3pfgA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
22	c3nyoB_	Alignment	not modelled	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
23	c3g0eA_	Alignment	not modelled	100.0	39	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
24	d1lufa_	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
25	c1lufA_	Alignment	not modelled	100.0	37	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
26	c2acxB_	Alignment	not modelled	100.0	25	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
27	c2pvfA_	Alignment	not modelled	100.0	37	PDB header: transferase Chain: A: PDB Molecule: fibroblast growth factor receptor 2; PDBTitle: crystal structure of tyrosine phosphorylated activated fgf receptor 22 (fgfr2) kinase domain in complex with atp analog and substrate3 peptide
28	c3ckxA_	Alignment	not modelled	100.0	25	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
29	c3dpkA	Alignment	not modelled	100.0	40	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor; PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
30	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
31	c3qa8A	Alignment	not modelled	100.0	26	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
32	d2psqa1	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
33	c2psqA	Alignment	not modelled	100.0	38	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
34	d3bu3a1	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
35	c3c4wB	Alignment	not modelled	100.0	22	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
36	c1ym7C	Alignment	not modelled	100.0	21	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
37	c4ebwA	Alignment	not modelled	100.0	40	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
38	c3c4yA	Alignment	not modelled	100.0	23	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
39	c4aojA	Alignment	not modelled	100.0	36	PDB header: transferase Chain: A: PDB Molecule: high affinity nerve growth factor receptor; PDBTitle: human trka in complex with the inhibitor az-23
40	d2j4za1	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
41	c3kulB	Alignment	not modelled	100.0	41	PDB header: transferase Chain: B: PDB Molecule: ephrin type-a receptor 8; PDBTitle: kinase domain of human ephrin type-a receptor 8 (epha8)
42	c1koaA	Alignment	not modelled	100.0	26	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
43	c2c30A	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
44	c3lxkA	Alignment	not modelled	100.0	36	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
45	d1sm2a	Alignment	not modelled	100.0	43	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
46	d1mp8a	Alignment	not modelled	100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
47	c3plsA	Alignment	not modelled	100.0	36	PDB header: transferase Chain: A: PDB Molecule: macrophage-stimulating protein receptor; PDBTitle: ron in complex with ligand amp-pnp
48	d1t46a	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
49	c4fijA	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
50	c3q5iA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
51	d1xbba	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
52	c4dn5A	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik)
53	c3soaA	Alignment	not modelled	100.0	22	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
54	c3tkuB	Alignment	not modelled	100.0	19	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
						PDB header: transferase

55	c3lvpD_	Alignment	not modelled	100.0	38	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
56	d1p4oa_	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
57	c1yvjA_	Alignment	not modelled	100.0	35	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
58	d1fgka_	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
59	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
60	c3eygA_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
61	c2bujA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase 16; PDBTitle: crystal structure of the human serine-threonine kinase 162 in complex with staurosporine
62	d1uwha_	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
63	c2a1aB_	Alignment	not modelled	100.0	21	PDB header: protein synthesis/transferase Chain: B: PDB Molecule: interferon-induced, double-stranded rna-activated protein PDBTitle: pkr kinase domain-eif2alpha complex
64	c3cc6A_	Alignment	not modelled	100.0	39	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)
65	c3l9pA_	Alignment	not modelled	100.0	38	PDB header: transferase Chain: A: PDB Molecule: anaplastic lymphoma kinase; PDBTitle: crystal structure of the anaplastic lymphoma kinase catalytic domain
66	c3sxrA_	Alignment	not modelled	100.0	43	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: crystal structure of bmx non-receptor tyrosine kinase complex with2 dasatinib
67	d1jpaa_	Alignment	not modelled	100.0	41	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
68	c3d4qA_	Alignment	not modelled	100.0	35	PDB header: transferase Chain: A: PDB Molecule: b-raf proto-oncogene serine/threonine-protein kinase; PDBTitle: pyrazole-based inhibitors of b-raf kinase
69	c3v5qB_	Alignment	not modelled	100.0	35	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
70	c3fupB_	Alignment	not modelled	100.0	33	PDB header: transferase Chain: B: PDB Molecule: tyrosine-protein kinase jak2; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
71	c2jamB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase type PDBTitle: crystal structure of human calmodulin-dependent protein2 kinase i g
72	d1yhwa1	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
73	c4fieB_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
74	c2w1iB_	Alignment	not modelled	100.0	32	PDB header: transferase Chain: B: PDB Molecule: jak2; PDBTitle: structure determination of aurora kinase in complex with2 inhibitor
75	d1mqba_	Alignment	not modelled	100.0	40	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
76	c3lijA_	Alignment	not modelled	100.0	27	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
77	c2bmcD_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
78	c4eutA_	Alignment	not modelled	100.0	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
79	c3fbvL_	Alignment	not modelled	100.0	25	PDB header: transferase, hydrolase Chain: L: PDB Molecule: serine/threonine-protein kinase/endoribonuclease ire1; PDBTitle: crystal structure of the oligomer formed by the kinase-ribonuclease2 domain of ire1
80	d1phka_	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit

81	c1xkka	Alignment	not modelled	100.0	33	PDB header: transferase Chain: A: PDB Molecule: epidermal growth factor receptor; PDBTitle: egfr kinase domain complexed with a quinazoline inhibitor-2 gw572016
82	d1xkka	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
83	c3vw6B	Alignment	not modelled	100.0	25	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
84	d1fvra	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
85	c3d9vA	Alignment	not modelled	100.0	22	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
86	d1rjba	Alignment	not modelled	100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
87	c2j51A	Alignment	not modelled	100.0	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
88	c3lxnA	Alignment	not modelled	100.0	35	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
89	c3dfaA	Alignment	not modelled	100.0	26	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
90	c2y7jB	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, PDBTitle: structure of human phosphorylase kinase, gamma 2
91	c1mruB	Alignment	not modelled	100.0	30	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.
92	c2qobA	Alignment	not modelled	100.0	39	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase domain, base structure
93	c2clqA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: structure of mitogen-activated protein kinase kinase kinase2 5
94	c2qg5D	Alignment	not modelled	100.0	22	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
95	d2ifla1	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
96	d1byga	Alignment	not modelled	100.0	48	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
97	c4hzaA	Alignment	not modelled	100.0	40	PDB header: transferase Chain: A: PDB Molecule: activated cdc42 kinase 1; PDBTitle: crystal structure of ack1 kinase domain with c-terminal sh3 domain
98	c2a27B	Alignment	not modelled	100.0	22	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
99	d1jksa	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
100	c3p23B	Alignment	not modelled	100.0	24	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
101	d1ckia	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
102	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 cdpk3, tgme49_105860
103	c4e1za	Alignment	not modelled	100.0	34	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-aminindazole inhibitor
104	c2cqvA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk1; PDBTitle: identification of chemically diverse chk1 inhibitors by2 receptor-based virtual screening
						PDB header: transferase

105	c2vd5A_	Alignment	not modelled	100.0	21	Chain: A; PDB Molecule: dmpk protein; PDBTitle: structure of human myotonic dystrophy protein kinase in2 complex with the bisindoylmaleide inhibitor bim viii
106	c2wqmA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A; PDB Molecule: serine/threonine-protein kinase nek7; PDBTitle: structure of apo human nek7
107	d1o6ya_	Alignment	not modelled	100.0	29	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
108	d1xjda_	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
109	c1xjda_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A; PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
110	c4eqmE_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: E; PDB Molecule: protein kinase; PDBTitle: structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
111	c3comB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B; PDB Molecule: serine/threonine-protein kinase 4; PDBTitle: crystal structure of mst1 kinase
112	c3zosA_	Alignment	not modelled	100.0	36	PDB header: transferase Chain: A; PDB Molecule: epithelial discoidin domain-containing receptor 1; PDBTitle: structure of the ddr1 kinase domain in complex with ponatinib
113	c2pziA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A; PDB Molecule: probable serine/threonine-protein kinase pkng; PDBTitle: crystal structure of protein kinase pkng from mycobacterium2 tuberculosis in complex with tetrahydrobenzothioephene ax20017
114	c4ithB_	Alignment	not modelled	100.0	29	PDB header: transferase/transferase inhibitor Chain: B; PDB Molecule: receptor-interacting serine/threonine-protein kinase 1; PDBTitle: crystal structure of rip1 kinase in complex with necrostatin-1 analog
115	c3p86B_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: B; PDB Molecule: serine/threonine-protein kinase ctr1; PDBTitle: crystal structure of ctr1 kinase domain mutant d676n in complex with2 staurosporine
116	c2bdwB_	Alignment	not modelled	100.0	23	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
117	c3k54A_	Alignment	not modelled	100.0	39	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.
118	c2chlA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A; PDB Molecule: casein kinase i isoform gamma-3; PDBTitle: structure of casein kinase 1 gamma 3
119	c3sv0A_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A; PDB Molecule: casein kinase i-like; PDBTitle: crystal structure of casein kinase-1 like protein in plant
120	c2zv2A_	Alignment	not modelled	100.0	24	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, camkk2 kinase domain in complex with sto-609