

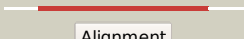

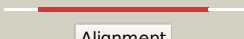



















Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q22146
Date	Sat Apr 13 13:24:31 BST 2013
Unique Job ID	b2c40dc9255586c7

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2fo0A_	 Alignment		100.0	32	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	31	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	30	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	30	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	32	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	31	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	29	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	28	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
9	c3cblA_	 Alignment		100.0	35	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	35	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	c3qa8H_	 Alignment		100.0	25	PDB header: immune system, signaling protein Chain: H; PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta

12	c3zzwA_	Alignment		100.0	31	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
13	c2ivsA_	Alignment		100.0	33	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase2 domain
14	c3g0eA_	Alignment		100.0	33	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
15	d1qcfa3	Alignment		100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
16	c4im2A_	Alignment		100.0	22	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1
17	c3dpkA_	Alignment		100.0	34	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor; PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
18	c3qa8A_	Alignment		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
19	d1lufa_	Alignment		100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
20	c1lufA_	Alignment		100.0	33	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
21	d1qpca_	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
22	d1opja_	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
23	c3pfqA_	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
24	d1u59a_	Alignment	not modelled	100.0	30	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
25	c3nyoB_	Alignment	not modelled	100.0	21	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
26	d1t46a_	Alignment	not modelled	100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
27	c2vwiC_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
28	c2acxB_	Alignment	not modelled	100.0	21	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 PDB header: transferase Chain: A: PDB Molecule: fibroblast growth factor receptor 2;

29	c2pvfA_	Alignment	not modelled	100.0	34	PDBTitle: crystal structure of tyrosine phosphorylated activated fgf receptor 22 (fgfr2) kinase domain in complex with atp analog and substrate3 peptide
30	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)2 in complex with staurosporine
31	c2psqA_	Alignment	not modelled	100.0	34	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
32	d2psqa1	Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
33	c3kulB_	Alignment	not modelled	100.0	31	PDB header: transferase Chain: B: PDB Molecule: ephrin type-a receptor 8; PDBTitle: kinase domain of human ephrin type-a receptor 8 (epha8)
34	d1k2pa_	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
35	d3bu3a1	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
36	c2c30A_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
37	c1koaA_	Alignment	not modelled	100.0	23	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
38	c3c4yA_	Alignment	not modelled	100.0	22	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	c4fijA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
40	c3q5iA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
41	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
42	c4ebwA_	Alignment	not modelled	100.0	35	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
43	d1mp8a_	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
44	c3lxnA_	Alignment	not modelled	100.0	30	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
45	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
46	d2j4za1	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
47	c4fieB_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
48	c3plsA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: macrophage-stimulating protein receptor; PDBTitle: ron in complex with ligand amp-pnp
49	d1p4oa_	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
50	c3j9pA_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: A: PDB Molecule: anaplastic lymphoma kinase; PDBTitle: crystal structure of the anaplastic lymphoma kinase catalytic domain
51	d1fmka3	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
52	c1ym7C_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
53	d1fgka_	Alignment	not modelled	100.0	31	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
54	c3lxkA_	Alignment	not modelled	100.0	26	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
55	d1yhwa1	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit

56	c3soaA_	Alignment	not modelled	100.0	20	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
57	d1mqba_	Alignment	not modelled	100.0	31	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
58	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)
59	d1jpaa_	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
60	c3cc6A_	Alignment	not modelled	100.0	34	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)
61	c3lvpD_	Alignment	not modelled	100.0	33	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
62	d1xbba_	Alignment	not modelled	100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
63	d1phka_	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
64	c3dfaA_	Alignment	not modelled	100.0	24	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
65	d1sm2a_	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
66	c1yvjA_	Alignment	not modelled	100.0	25	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
67	c4eutA_	Alignment	not modelled	100.0	20	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
68	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
69	c3tkuB_	Alignment	not modelled	100.0	22	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
70	c2jamB_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase type PDBTitle: crystal structure of human calmodulin-dependent protein2 kinase i g
71	c3v5qB_	Alignment	not modelled	100.0	33	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
72	c4e1zA_	Alignment	not modelled	100.0	27	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
73	d1rjba_	Alignment	not modelled	100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
74	d1uwha_	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
75	c3vw6B_	Alignment	not modelled	100.0	26	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
76	c3lijA_	Alignment	not modelled	100.0	24	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	c2bdwB_	Alignment	not modelled	100.0	24	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
78	c2qobA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase domain, base structure
79	c2wtkC_	Alignment	not modelled	100.0	25	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-stradalphamo25alpha2 complex
80	c3eygA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes

81	c3fupB_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: B: PDB Molecule: tyrosine-protein kinase jak2; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
82	c3p86B_	Alignment	not modelled	100.0	31	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
83	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
84	c3d4qA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: b-raf proto-oncogene serine/threonine-protein kinase; PDBTitle: pyrazole-based inhibitors of b-raf kinase
85	c3d9vA_	Alignment	not modelled	100.0	24	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	c2x4fA_	Alignment	not modelled	100.0	18	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.
87	c2bmcD_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
88	c2w1iB_	Alignment	not modelled	100.0	30	PDB header: transferase Chain: B: PDB Molecule: jak2; PDBTitle: structure determination of aurora kinase in complex with2 inhibitor
89	c2y7jB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, PDBTitle: structure of human phosphorylase kinase, gamma 2
90	c2a1aB_	Alignment	not modelled	100.0	20	PDB header: protein synthesis/transferase Chain: B: PDB Molecule: interferon-induced, double-stranded rna-activated protein PDBTitle: pkr kinase domain-eif2alpha complex
91	d1jksa_	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
92	c2bujA_	Alignment	not modelled	100.0	18	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
93	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
94	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
95	c2j51A_	Alignment	not modelled	100.0	25	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
96	c3sxrA_	Alignment	not modelled	100.0	33	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
97	d1koba_	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
98	c3hztA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
99	d2jfla1	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
100	c4hzsA_	Alignment	not modelled	100.0	35	PDB header: transferase Chain: A: PDB Molecule: activated cdc42 kinase 1; PDBTitle: crystal structure of ack1 kinase domain with c-terminal sh3 domain
101	c2cgvA_	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
102	c3fbvL_	Alignment	not modelled	100.0	27	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
103	c1mruB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.
104	d1o6ya_	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
105	c2wqmA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase nek7;

						PDBTitle: structure of apo human nek7
106	d1koa2	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
107	c3dtcA	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A; PDB Molecule: mitogen-activated protein kinase kinase 9; PDBTitle: crystal structure of mixed-lineage kinase mlk1 complexed2 with compound 16
108	d1xjda	Alignment	not modelled	100.0	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
109	c1xjda	Alignment	not modelled	100.0	27	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	c2ya9A	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A; PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse dapk2
111	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
112	d1nvra	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
113	d1fvra	Alignment	not modelled	100.0	33	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
114	c1kobB	Alignment	not modelled	100.0	21	PDB header: kinase Chain: B; PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
115	c3an0A	Alignment	not modelled	100.0	23	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
116	c2pziA	Alignment	not modelled	100.0	21	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 tetrahydrobenzothiophene ax20017
117	c2vrxB	Alignment	not modelled	100.0	23	PDB header: cell cycle/transferase Chain: B; PDB Molecule: serine/threonine-protein kinase 12-a; PDBTitle: structure of aurora b kinase in complex with zm447439
118	d1tkia	Alignment	not modelled	100.0	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
119	c4fvrA	Alignment	not modelled	100.0	27	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)
120	c1xkka	Alignment	not modelled	100.0	30	PDB header: transferase Chain: A; PDB Molecule: epidermal growth factor receptor; PDBTitle: egfr kinase domain complexed with a quinazoline inhibitor-2 gw572016