















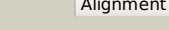

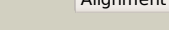

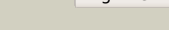










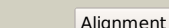
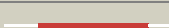
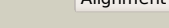

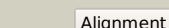


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	A0AUV4
Date	Tue Jul 30 13:10:30 BST 2013
Unique Job ID	56c46adebed88290

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3pfqA_	 Alignment		100.0	30	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
2	c3nyoB_	 Alignment		100.0	31	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
3	c2acxB_	 Alignment		100.0	30	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
4	c1ym7C_	 Alignment		100.0	25	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
5	c1koaA_	 Alignment		100.0	29	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
6	c3c4wB_	 Alignment		100.0	32	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
7	c3qa8H_	 Alignment		100.0	31	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
8	c3c4yA_	 Alignment		100.0	32	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
9	c3q5iA_	 Alignment		100.0	33	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
10	c4im2A_	 Alignment		100.0	28	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1
11	c3qa8A_	 Alignment		100.0	30	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta

12	c3soaA_	 Alignment		100.0	37	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
13	c2fo0A_	 Alignment		100.0	25	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
14	c3tkuB_	 Alignment		100.0	26	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
15	c3ckxA_	 Alignment		100.0	22	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
16	c2c30A_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
17	d2j4za1	 Alignment		100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
18	c4fijA_	 Alignment		100.0	28	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
19	c1oplA_	 Alignment		100.0	25	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
20	c2vwiC_	 Alignment		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
21	c4fieB_	 Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
22	d1phka_	 Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
23	c3lijA_	 Alignment	not modelled	100.0	35	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
24	c2jamB_	 Alignment	not modelled	100.0	36	PDB header: transferase Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase type PDBTitle: crystal structure of human calmodulin-dependent protein2 kinase i g
25	c2qg5D_	 Alignment	not modelled	100.0	33	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
26	c2a27B_	 Alignment	not modelled	100.0	32	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
27	d1jksa_	 Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
28	c2v7iB_	 Alignment	not modelled	100.0	34	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic

28	c2y7jB_	Alignment	not modelled	100.0	34	chain, PDBTitle: structure of human phosphorylase kinase, gamma 2
29	d1yhwa1	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
30	c3d9vA_	Alignment	not modelled	100.0	28	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
31	c2wtkC_	Alignment	not modelled	100.0	27	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-strada1alpha-2 complex
32	c3dfaA_	Alignment	not modelled	100.0	34	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
33	c2bmcD_	Alignment	not modelled	100.0	32	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
34	d1xjda_	Alignment	not modelled	100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
35	c1xjdA_	Alignment	not modelled	100.0	32	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
36	c2bdwB_	Alignment	not modelled	100.0	37	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
37	c2h8hA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
38	c2ya9A_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: A: PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse dapk2
39	c3hztA_	Alignment	not modelled	100.0	38	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
40	c1y57A_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
41	d1koaa2	Alignment	not modelled	100.0	29	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
42	d1nvra_	Alignment	not modelled	100.0	30	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
43	c1kobB_	Alignment	not modelled	100.0	30	PDB header: kinase Chain: B: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
44	c2x4fA_	Alignment	not modelled	100.0	28	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.
45	c2cgvA_	Alignment	not modelled	100.0	30	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk1; PDBTitle: identification of chemically diverse chk1 inhibitors by2 receptor-based virtual screening
46	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
47	c2j0kB_	Alignment	not modelled	100.0	24	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.
48	d2jfla1	Alignment	not modelled	100.0	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
49	d1koba_	Alignment	not modelled	100.0	30	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
50	d1o6la_	Alignment	not modelled	100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
51	c4f12A_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
52	c1k9aB_	Alignment	not modelled	100.0	28	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
53	d1tkia_	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit

54	c2ozoA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
55	c2zv2A	Alignment	not modelled	100.0	36	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
56	c2vd5A	Alignment	not modelled	100.0	28	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
57	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
58	d1qcfa3	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
59	c2r5tA	Alignment	not modelled	100.0	31	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
60	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
61	c2wtkB	Alignment	not modelled	100.0	23	PDB header: transferase/metal-binding protein Chain: B: PDB Molecule: ste20-related kinase adapter protein alpha; PDBTitle: structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex
62	d1xwsa	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
63	c2vz6A	Alignment	not modelled	100.0	37	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
64	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 dibenzonaphthyridine3 inhibitor
65	c3zzwA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
66	c2h6dA	Alignment	not modelled	100.0	39	PDB header: signaling protein,transferase Chain: A: PDB Molecule: 5'-amp-activated protein kinase catalytic subunit PDBTitle: protein kinase domain of the human 5'-amp-activated protein2 kinase catalytic subunit alpha-2 (ampk alpha-2 chain)
67	c2pziA	Alignment	not modelled	100.0	29	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
68	c1mruB	Alignment	not modelled	100.0	29	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.
69	c1zrzA	Alignment	not modelled	100.0	30	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, iota; PDBTitle: crystal structure of the catalytic domain of atypical2 protein kinase c-iota
70	c2clqA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: structure of mitogen-activated protein kinase kinase kinase2 5
71	d1uu3a	Alignment	not modelled	100.0	30	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
72	d1fota	Alignment	not modelled	100.0	30	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
73	d1lopja	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
74	c2j2iB	Alignment	not modelled	100.0	35	PDB header: transferase Chain: B: PDB Molecule: proto-oncogene serine/threonine-protein kinase pim-1; PDBTitle: crystal structure of the humab pim1 in complex with2 ly333531
75	c2y94A	Alignment	not modelled	100.0	34	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
76	c3c0hB	Alignment	not modelled	100.0	31	PDB header: transferase Chain: B: PDB Molecule: peripheral plasma membrane protein cask; PDBTitle: cask cam-kinase domain- amppnp complex, p1 form

77	c3comB_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase 4; PDBTitle: crystal structure of mst1 kinase
78	d1o6ya_	Alignment	not modelled	100.0	29	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
79	c2vrxB_	Alignment	not modelled	100.0	31	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
80	c3kl8C_	Alignment	not modelled	100.0	36	PDB header: transferase/ transferase inhibitor Chain: C: PDB Molecule: calcium/calmodulin dependent protein kinase ii; PDBTitle: camkiintide inhibitor complex
81	c2a1aB_	Alignment	not modelled	100.0	27	PDB header: protein synthesis/transferase Chain: B: PDB Molecule: interferon-induced, double-stranded rna-activated protein PDBTitle: pkr kinase domain-eif2alpha complex
82	c3vw6B_	Alignment	not modelled	100.0	30	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
83	d1qpca_	Alignment	not modelled	100.0	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
84	d1rdqe_	Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
85	c3fbvL_	Alignment	not modelled	100.0	31	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
86	c3zgwA_	Alignment	not modelled	100.0	32	PDB header: transferase Chain: A: PDB Molecule: maternal embryonic leucine zipper kinase; PDBTitle: crystal structure of maternal embryonic leucine zipper2 kinase (melk) in complex with amp-pnp
87	c3ku2A_	Alignment	not modelled	100.0	35	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
88	d1unla_	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
89	c4dn5A_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik)
90	c2i0eB_	Alignment	not modelled	100.0	31	PDB header: transferase Chain: B: PDB Molecule: protein kinase c-beta ii; PDBTitle: structure of catalytic domain of human protein kinase c2 beta ii complexed with a bisindolylmaleimide inhibitor
91	c2qhnA_	Alignment	not modelled	100.0	31	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk1; PDBTitle: crystal structure of chek1 in complex with inhibitor 1a
92	d1xh6a1	Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
93	c2cn5A_	Alignment	not modelled	100.0	36	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk2; PDBTitle: crystal structure of human chk2 in complex with adp
94	c3p23B_	Alignment	not modelled	100.0	29	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
95	c2in6A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: wee1-like protein kinase; PDBTitle: wee1 kinase complex with inhibitor pd311839
96	c3is5E_	Alignment	not modelled	100.0	33	PDB header: transferase Chain: E: PDB Molecule: calcium-dependent protein kinase; PDBTitle: crystal structure of cdpk kinase domain from toxoplasma gondii,2 tgme49 018720
97	c3h4jB_	Alignment	not modelled	100.0	35	PDB header: transferase Chain: B: PDB Molecule: snf1-like protein kinase ssp2; PDBTitle: crystal structure of pombe ampk kdaid fragment
98	c4dc2A_	Alignment	not modelled	100.0	32	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
99	d1gzka_	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
100	d3bu3a1	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
101	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
						PDB header: transferase Chain: A: PDB Molecule: dual specificity mitogen-activated protein

102	c3eqiA	Alignment	not modelled	100.0	24	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
103	c2ivsA	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase2 domain
104	d1k2pa	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
105	d1lufa	Alignment	not modelled	100.0	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
106	c1lufA	Alignment	not modelled	100.0	27	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
107	c2x7fA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: traf2 and nck-interacting protein kinase; PDBTitle: crystal structure of the kinase domain of human traf2-and2 nck-interacting kinase with wee1chk1 inhibitor
108	c2pvfA	Alignment	not modelled	100.0	25	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
109	c3p1aA	Alignment	not modelled	100.0	27	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)
110	c3dpkA	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor; PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
111	c3i6wB	Alignment	not modelled	100.0	35	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase chk2; PDBTitle: structure and activation mechanism of the chk2 dna-damage checkpoint2 kinase
112	c2bujA	Alignment	not modelled	100.0	27	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
113	c3an0A	Alignment	not modelled	100.0	27	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
114	c3g0eA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
115	c3kvwA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: dual specificity tyrosine-phosphorylation-regulated kinase PDBTitle: crystal structure of dual-specificity tyrosine phosphorylation2 regulated kinase 2 (dyrk2) in complex with an indirubin ligand
116	c3dlsA	Alignment	not modelled	100.0	32	PDB header: transferase Chain: A: PDB Molecule: pas domain-containing serine/threonine-protein kinase; PDBTitle: crystal structure of human pas kinase bound to adp
117	c3lxA	Alignment	not modelled	100.0	25	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
118	d1s9ja	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
119	c4eqmE	Alignment	not modelled	100.0	29	PDB header: transferase Chain: E: PDB Molecule: protein kinase; PDBTitle: structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
120	d3blha1	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit