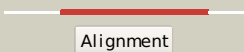

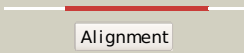

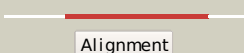

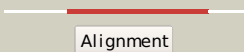



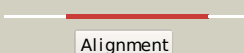

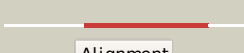







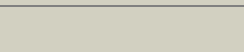
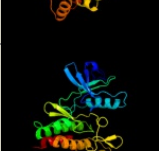


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P42680
Date	Fri May 25 09:36:11 BST 2012
Unique Job ID	4cfd2b9dccead4a9


Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2fo0A_	 Alignment		100.0	39	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	40	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	39	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	39	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	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
6	c2c0iA_	 Alignment		100.0	38	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
7	c2ozoA_	 Alignment		100.0	33	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
8	c3cblA_	 Alignment		100.0	40	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
9	c2j0kB_	 Alignment		100.0	33	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.
10	d1qcfa3	 Alignment		100.0	41	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
11	d1lopja	 Alignment		100.0	44	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit

12	c3zzwA_	Alignment		100.0	36	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
13	d1k2pa_	Alignment		100.0	63	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
14	d1qpca_	Alignment		100.0	42	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
15	d1u59a_	Alignment		100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
16	c3g0eA_	Alignment		100.0	36	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
17	c3pfqA_	Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
18	c2ivsA_	Alignment		100.0	36	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase2 domain
19	c2acxB_	Alignment		100.0	23	PDB header: transferase Chain: B: PDB Molecule: g protein-coupled receptor kinase 6; PDBTitle: crystal structure of g protein coupled receptor kinase 6 bound to2 amppnp
20	c1ym7C_	Alignment		100.0	21	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
21	d1lufa_	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
22	c1lufA_	Alignment	not modelled	100.0	36	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
23	c2pvfA_	Alignment	not modelled	100.0	36	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
24	c3cckxA_	Alignment	not modelled	100.0	28	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
25	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
26	c3dpkA_	Alignment	not modelled	100.0	36	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor; PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
27	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
						PDB header: immune system, signaling protein

28	c3qa8A_	Alignment	not modelled	100.0	23	Chain: A; PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
29	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
30	d2psqa1	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
31	c2psqA_	Alignment	not modelled	100.0	36	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	d2j4za1	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
33	d3bu3a1	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
34	d1fmka3	Alignment	not modelled	100.0	45	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
35	d1sm2a_	Alignment	not modelled	100.0	65	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
36	c2c30A_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A; PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
37	c3q5iA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A; PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
38	c3lxkA_	Alignment	not modelled	100.0	33	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
39	d1t46a_	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
40	c3sxaA_	Alignment	not modelled	100.0	58	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
41	d1mp8a_	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
42	c3plsA_	Alignment	not modelled	100.0	37	PDB header: transferase Chain: A; PDB Molecule: macrophage-stimulating protein receptor; PDBTitle: ron in complex with ligand amp-pnp
43	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
44	d1p4oa_	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
45	c3lvpD_	Alignment	not modelled	100.0	40	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
46	d1jpaa_	Alignment	not modelled	100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
47	d1fgka_	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
48	c3l9pA_	Alignment	not modelled	100.0	41	PDB header: transferase Chain: A; PDB Molecule: anaplastic lymphoma kinase; PDBTitle: crystal structure of the anaplastic lymphoma kinase catalytic domain
49	c3eygA_	Alignment	not modelled	100.0	32	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
50	c1yviA_	Alignment	not modelled	100.0	32	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
51	c3fupB_	Alignment	not modelled	100.0	31	PDB header: transferase Chain: B; PDB Molecule: tyrosine-protein kinase jak2; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
52	c2bujA_	Alignment	not modelled	100.0	21	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
53	d1yhwa1	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
54	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)

55	c2w1b	Alignment	not modelled	100.0	31	PDB header: transferase Chain: B: PDB Molecule: jak2; PDBTitle: structure determination of aurora kinase in complex with2 inhibitor
56	d1mqba	Alignment	not modelled	100.0	41	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
57	c2wtkC	Alignment	not modelled	100.0	22	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex
58	d1xbba	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
59	c2a1aB	Alignment	not modelled	100.0	24	PDB header: protein synthesis/transferase Chain: B: PDB Molecule: interferon-induced, double-stranded rna-activated protein PDBTitle: pkr kinase domain-eif2alpha complex
60	c3fbvL	Alignment	not modelled	100.0	22	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
61	c3lijA	Alignment	not modelled	100.0	26	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
62	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
63	d1uwha	Alignment	not modelled	100.0	31	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
64	d1phka	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
65	c2bmcD	Alignment	not modelled	100.0	28	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
66	c3d4gA	Alignment	not modelled	100.0	32	PDB header: transferase Chain: A: PDB Molecule: b-raf proto-oncogene serine/threonine-protein kinase; PDBTitle: pyrazole-based inhibitors of b-raf kinase
67	c4eutA	Alignment	not modelled	100.0	24	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	c2clqA	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: structure of mitogen-activated protein kinase kinase kinase2 5
69	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
70	c3v5qB	Alignment	not modelled	100.0	36	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
71	d2jfla1	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
72	d1fvra	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
73	c3p23B	Alignment	not modelled	100.0	22	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
74	c2y7jB	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, PDBTitle: structure of human phosphorylase kinase, gamma 2
75	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
76	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
77	c2vd5A	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: dmpk protein; PDBTitle: structure of human myotonic dystrophy protein kinase in2 complex with the bisindolmaleide inhibitor bim viii
78	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
79	c2qobA	Alignment	not modelled	100.0	38	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase domain, base structure
80	c3k54A	Alignment	not modelled	100.0	62	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.
81	d1rjba	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
82	d1xkka	Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
83	c1xkka	Alignment	not modelled	100.0	34	PDB header: transferase Chain: A: PDB Molecule: epidermal growth factor receptor; PDBTitle: egfr kinase domain complexed with a quinazoline inhibitor-2 gw572016
84	c2a27B	Alignment	not modelled	100.0	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
85	d1ckia	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
86	d1jksa	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
87	c3hztA	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
88	c3comB	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase 4; PDBTitle: crystal structure of mst1 kinase
89	c2wqmA	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase nek7; PDBTitle: structure of apo human nek7
90	c2cgvA	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk1; PDBTitle: identification of chemically diverse chk1 inhibitors by2 receptor-based virtual screening
91	d1xjda	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
92	c1xjda	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
93	c1mruB	Alignment	not modelled	100.0	26	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.
94	c2chlA	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: casein kinase i isoform gamma-3; PDBTitle: structure of casein kinase 1 gamma 3
95	c2pziA	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: probable serine/threonine-protein kinase pknq; PDBTitle: crystal structure of protein kinase pknq from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
96	d1koba	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
97	c3o96A	Alignment		100.0	21	PDB header: transferase Chain: A: PDB Molecule: rac-alpha serine/threonine-protein kinase; PDBTitle: crystal structure of human akt1 with an allosteric inhibitor
98	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
99	d1nvra	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
100	c2x4fA	Alignment	not modelled	100.0	23	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.
101	d1o6ya	Alignment	not modelled	100.0	27	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
102	c2ya9A	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse dapk2 PDB header: transferase

103	c3p86B	Alignment	not modelled	100.0	35	Chain: B: PDB Molecule: serine/threonine-protein kinase ctr1; PDBTitle: crystal structure of ctr1 kinase domain mutant d676n in complex with2 staurosporine
104	d1byga	Alignment	not modelled	100.0	48	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
105	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
106	c2wtkB	Alignment	not modelled	100.0	22	PDB header: transferase/metal-binding protein Chain: B: PDB Molecule: ste20-related kinase adapter protein alpha; PDBTitle: structure of the heterotrimeric Ikb1-stradalphamo25alpha2 complex
107	d1kooa2	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
108	c1kobB	Alignment	not modelled	100.0	24	PDB header: kinase Chain: B: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
109	c2r5tA	Alignment	not modelled	100.0	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
110	d1tkia	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
111	d1uu3a	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
112	c2r7bA	Alignment	not modelled	100.0	24	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
113	d1o6la	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
114	c2c47D	Alignment	not modelled	100.0	18	PDB header: transferase Chain: D: PDB Molecule: casein kinase 1 gamma 2 isoform; PDBTitle: structure of casein kinase 1 gamma 2
115	c2vz6A	Alignment	not modelled	100.0	22	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
116	c3brbB	Alignment	not modelled	100.0	37	PDB header: transferase Chain: B: PDB Molecule: proto-oncogene tyrosine-protein kinase mer; PDBTitle: crystal structure of catalytic domain of the proto-oncogene tyrosine-2 protein kinase mer in complex with adp
117	c2y94A	Alignment	not modelled	100.0	23	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
118	c2qluA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: activin receptor type iib; PDBTitle: crystal structure of activin receptor type ii kinase domain2 from human
119	c1zrzA	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, iota; PDBTitle: crystal structure of the catalytic domain of atypical2 protein kinase c-iota
120	c2qofA	Alignment	not modelled	100.0	38	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase and juxtamembrane region, y596f mutant