






















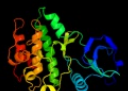









Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	Q8INJ8
Date	Wed Feb 13 11:35:57 GMT 2013
Unique Job ID	d5991504f80741ba

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	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
2	c1oplA_	 Alignment		100.0	41	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	c1k9aB_	 Alignment		100.0	62	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
4	c1y57A_	 Alignment		100.0	43	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
5	c2h8hA_	 Alignment		100.0	43	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
6	c2c0iA_	 Alignment		100.0	42	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	40	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	35	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
9	c2j0kB_	 Alignment		100.0	37	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	c3cblA_	 Alignment		100.0	39	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
11	c3nyoB_	 Alignment		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

12	c3pfqA_	Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
13	c2acxB_	Alignment		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 bound to2 amppnp
14	c3qa8H_	Alignment		100.0	23	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
15	c1ym7C_	Alignment		100.0	24	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
16	c3c4wB_	Alignment		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
17	c3qa8A_	Alignment		100.0	24	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
18	d1qcfa3	Alignment		100.0	44	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
19	c3c4yA_	Alignment		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
20	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
21	d1opja_	Alignment	not modelled	100.0	43	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
22	c3soaA_	Alignment	not modelled	100.0	24	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
23	d1qpca_	Alignment	not modelled	100.0	43	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
24	c1koaA_	Alignment	not modelled	100.0	21	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
25	c3ckxA_	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
26	c2ivsA_	Alignment	not modelled	100.0	40	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase2 domain
27	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
28	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
29	d1lufa_	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
30	c3g0eA_	Alignment	not modelled	100.0	37	PDB header: transferase Chain: A: PDB Molecule: mast/stem cell growth factor receptor; PDBTitle: kit kinase domain in complex with sunitinib
31	d2j4za1	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
32	c2vwiC_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
33	c3q5iA_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
34	c2pvfA_	Alignment	not modelled	100.0	42	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
35	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
36	c4fijA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
37	d1u59a_	Alignment	not modelled	100.0	36	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
38	c3dpkA_	Alignment	not modelled	100.0	38	PDB header: transferase Chain: A: PDB Molecule: macrophage colony-stimulating factor 1 receptor; PDBTitle: cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
39	c2psqA_	Alignment	not modelled	100.0	42	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
40	d2psqa1	Alignment	not modelled	100.0	42	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
41	c4dn5A_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik)
42	c2bujA_	Alignment	not modelled	100.0	19	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
43	c4fieB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
44	d1k2pa_	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
45	c4aojA_	Alignment	not modelled	100.0	37	PDB header: transferase Chain: A: PDB Molecule: high affinity nerve growth factor receptor; PDBTitle: human trka in complex with the inhibitor az-23
46	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
47	d3bu3a1	Alignment	not modelled	100.0	40	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
48	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
49	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
50	c3lijA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: calcium/calmodulin dependent protein kinase with PDBTitle: crystal structure of full length cpdck3 (cgd5_820) in2 complex with ca2+ and amppnp
51	d1yhwa1	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
52	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
53	c2wtkC_	Alignment	not modelled	100.0	23	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex PDB header: transferase

54	c3d9vA_	Alignment	not modelled	100.0	22	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
55	d1p4oa_	Alignment	not modelled	100.0	35	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
56	d1t46a_	Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
57	c3fbvL_	Alignment	not modelled	100.0	28	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
58	c3plsA_	Alignment	not modelled	100.0	40	PDB header: transferase Chain: A: PDB Molecule: macrophage-stimulating protein receptor; PDBTitle: ron in complex with ligand amp-pnp
59	c2bmcD_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
60	c3lvpD_	Alignment	not modelled	100.0	38	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
61	c4ebwA_	Alignment	not modelled	100.0	39	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
62	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)
63	c2pziA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: probable serine/threonine-protein kinase pkgng; PDBTitle: crystal structure of protein kinase pkgng from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
64	d1fmka3	Alignment	not modelled	100.0	45	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
65	d1fgka_	Alignment	not modelled	100.0	41	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
66	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
67	d1phka_	Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
68	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
69	c3dfaA_	Alignment	not modelled	100.0	27	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
70	c2a27B_	Alignment	not modelled	100.0	21	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
71	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
72	d1uwha_	Alignment	not modelled	100.0	32	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
73	c3hztA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
74	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
75	d1mp8a_	Alignment	not modelled	100.0	37	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
76	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
77	c3d4qA_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: A: PDB Molecule: b-raf proto-oncogene serine/threonine-protein kinase; PDBTitle: pyrazole-based inhibitors of b-raf kinase
78	d1sm2a_	Alignment	not modelled	100.0	38	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit

79	c3vw6B_	Alignment	not modelled	100.0	27	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: mitogen-activated protein kinase kinase 5; PDBTitle: crystal structure of human apoptosis signal-regulating kinase 1 (ask1)2 with imidazopyridine inhibitor
80	c2qg5D_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
81	c1yvja_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase jak3; PDBTitle: crystal structure of the jak3 kinase domain in complex with 2 a staurosporine analogue
82	d1o6ya_	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
83	c1xjda_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
84	d1xjda_	Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
85	c1mruB_	Alignment	not modelled	100.0	27	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of 2 mycobacterium tuberculosis pknb.
86	c2clqA_	Alignment	not modelled	100.0	26	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: structure of mitogen-activated protein kinase kinase kinase2 5
87	c2vd5A_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: dmpk protein; PDBTitle: structure of human myotonic dystrophy protein kinase in 2 complex with the bisindolylmaleide inhibitor bim viii
88	d1jksa_	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
89	d2jfla1	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
90	c2bdwB_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein k11e8.1d; PDBTitle: crystal structure of the auto-inhibited kinase domain of 2 calcium/calmodulin activated kinase ii
91	d1jpa_	Alignment	not modelled	100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
92	c3comB_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase 4; PDBTitle: crystal structure of mst1 kinase
93	c2wtkB_	Alignment	not modelled	100.0	24	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
94	d1rjba_	Alignment	not modelled	100.0	44	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
95	c2cgvA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk1; PDBTitle: identification of chemically diverse chk1 inhibitors by 2 receptor-based virtual screening
96	c2ya9A_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse dapk2
97	c3v5qB_	Alignment	not modelled	100.0	34	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: int-3 growth factor receptor; PDBTitle: discovery of a selective trk inhibitor with efficacy in rodent cancer2 tumor models
98	d1xbba_	Alignment	not modelled	100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
99	c3eygA_	Alignment	not modelled	100.0	33	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
100	c3cc6A_	Alignment	not modelled	100.0	35	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)
101	d1fvra_	Alignment	not modelled	100.0	39	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
102	c3fupB_	Alignment	not modelled	100.0	34	PDB header: transferase Chain: B: PDB Molecule: tyrosine-protein kinase jak2; PDBTitle: crystal structures of jak1 and jak2 inhibitor complexes
103	d1mqba_	Alignment	not modelled	100.0	40	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
						Fold: Protein kinase-like (PK-like)

104	d1o6la_	Alignment	not modelled	100.0	24	Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
105	d1ckia_	Alignment	not modelled	100.0	20	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
106	c3lxnA_	Alignment	not modelled	100.0	36	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
107	c2r7ba_	Alignment	not modelled	100.0	25	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
108	d1uu3a_	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
109	c4eqmE_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: E: PDB Molecule: protein kinase; PDBTitle: structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
110	d1koaa2	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
111	c2vrxB_	Alignment	not modelled	100.0	21	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
112	c2w1iB_	Alignment	not modelled	100.0	35	PDB header: transferase Chain: B: PDB Molecule: jak2; PDBTitle: structure determination of aurora kinase in complex with2 inhibitor
113	d1koba_	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
114	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, camk2 kinase domain in complex with sto-609
115	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
116	d1nvra_	Alignment	not modelled	100.0	28	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
117	c2qobA_	Alignment	not modelled	100.0	40	PDB header: transferase Chain: A: PDB Molecule: ephrin receptor; PDBTitle: human epha3 kinase domain, base structure
118	d1xkka_	Alignment	not modelled	100.0	34	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
119	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
120	c2vz6A_	Alignment	not modelled	100.0	25	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