

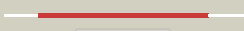


















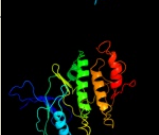


# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q20933
Date	Fri May 3 21:32:28 BST 2013
Unique Job ID	2bfd80ac317f1d4a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c2fo0A_</a>	 Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase abl1 (1b isoform); <b>PDBTitle:</b> organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
2	<a href="#">c1oplA_</a>	 Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase; <b>PDBTitle:</b> structural basis for the auto-inhibition of c-abl tyrosine2 kinase
3	<a href="#">c1y57A_</a>	 Alignment		100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase src; <b>PDBTitle:</b> structure of unphosphorylated c-src in complex with an inhibitor
4	<a href="#">c2h8hA_</a>	 Alignment		100.0	33	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase src; <b>PDBTitle:</b> src kinase in complex with a quinazoline inhibitor
5	<a href="#">c1k9aB_</a>	 Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> carboxyl-terminal src kinase; <b>PDBTitle:</b> crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
6	<a href="#">c2c0iA_</a>	 Alignment		100.0	33	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> tyrosine-protein kinase hck; <b>PDBTitle:</b> src family kinase hck with bound inhibitor a-420983
7	<a href="#">c4fi2A_</a>	 Alignment		100.0	30	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> tyrosine-protein kinase syk; <b>PDBTitle:</b> structural and biophysical characterization of the syk activation2 switch
8	<a href="#">c2ozoA_</a>	 Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> tyrosine-protein kinase zap-70; <b>PDBTitle:</b> autoinhibited intact human zap-70
9	<a href="#">c3cblA_</a>	 Alignment		100.0	34	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase fes/ffps; <b>PDBTitle:</b> crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
10	<a href="#">c2j0kB_</a>	 Alignment		100.0	33	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> focal adhesion kinase 1; <b>PDBTitle:</b> crystal structure of a fragment of focal adhesion kinase2 containing the ferm and kinase domains.
11	<a href="#">c3qa8H_</a>	 Alignment		100.0	26	<b>PDB header:</b> immune system, signaling protein <b>Chain:</b> H; <b>PDB Molecule:</b> mgc80376 protein; <b>PDBTitle:</b> crystal structure of inhibitor of kappa b kinase beta

12	<a href="#">c4im2A_</a>	Alignment		100.0	23	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase tbk1; <b>PDBTitle:</b> structure of tank-binding kinase 1
13	<a href="#">c3pfqA_</a>	Alignment		100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c beta type; <b>PDBTitle:</b> crystal structure and allosteric activation of protein kinase c beta2 ii
14	<a href="#">c3qa8A_</a>	Alignment		100.0	25	<b>PDB header:</b> immune system, signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> mgc80376 protein; <b>PDBTitle:</b> crystal structure of inhibitor of kappa b kinase beta
15	<a href="#">c2acxB_</a>	Alignment		100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> g protein-coupled receptor kinase 6; <b>PDBTitle:</b> crystal structure of g protein coupled receptor kinase 6 bound to2 amppnp
16	<a href="#">c3zzwA_</a>	Alignment		100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase transmembrane receptor ror2; <b>PDBTitle:</b> crystal structure of the kinase domain of ror2
17	<a href="#">c3nyoB_</a>	Alignment		100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> g protein-coupled receptor kinase 6; <b>PDBTitle:</b> crystal structure of g protein-coupled receptor kinase 6 in complex2 with amp
18	<a href="#">c1koaA_</a>	Alignment		100.0	23	<b>PDB header:</b> kinase <b>Chain:</b> A: <b>PDB Molecule:</b> twitchin; <b>PDBTitle:</b> twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
19	<a href="#">c1ym7C_</a>	Alignment		100.0	18	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> beta-adrenergic receptor kinase 1; <b>PDBTitle:</b> g protein-coupled receptor kinase 2 (grk2)
20	<a href="#">c3dpkA_</a>	Alignment		100.0	34	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> macrophage colony-stimulating factor 1 receptor; <b>PDBTitle:</b> cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor
21	<a href="#">d1qcfa3</a>	Alignment	not modelled	100.0	33	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
22	<a href="#">c3g0eA_</a>	Alignment	not modelled	100.0	34	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mast/stem cell growth factor receptor; <b>PDBTitle:</b> kit kinase domain in complex with sunitinib
23	<a href="#">c3q5iA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> crystal structure of pbanka_031420
24	<a href="#">c2ivsA_</a>	Alignment	not modelled	100.0	30	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase receptor <b>PDBTitle:</b> crystal structure of non-phosphorylated ret tyrosine kinase2 domain
25	<a href="#">c3c4wB_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> rhodopsin kinase; <b>PDBTitle:</b> crystal structure of g protein coupled receptor kinase 1 bound to atp2 and magnesium chloride at 2.7a
26	<a href="#">c2vwiC_</a>	Alignment	not modelled	100.0	29	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase osr1; <b>PDBTitle:</b> structure of the osr1 kinase, a hypertension drug target
27	<a href="#">d1opja_</a>	Alignment	not modelled	100.0	32	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
28	<a href="#">c3soaA_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase type ii subunit <b>PDBTitle:</b> full-length human camkii <b>PDB header:</b> transferase

29	<a href="#">c3c4yA_</a>	Alignment	not modelled	100.0	22	<b>Chain:</b> A; <b>PDB Molecule:</b> rhodopsin kinase; <b>PDBTitle:</b> crystal structure of apo form of g protein coupled receptor kinase 12 at 7.51a
30	<a href="#">c2c30A_</a>	Alignment	not modelled	100.0	29	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase pak 6; <b>PDBTitle:</b> crystal structure of the human p21-activated kinase 6
31	<a href="#">d1qpca_</a>	Alignment	not modelled	100.0	32	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
32	<a href="#">c1lufA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> muscle-specific tyrosine kinase receptor musk; <b>PDBTitle:</b> crystal structure of the musk tyrosine kinase: insights2 into receptor autoregulation
33	<a href="#">d1lufa_</a>	Alignment	not modelled	100.0	32	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
34	<a href="#">c3ckxA_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase 24; <b>PDBTitle:</b> crystal structure of sterile 20-like kinase 3 (mst3, stk24)2 in complex with staurosporine
35	<a href="#">d2j4za1</a>	Alignment	not modelled	100.0	26	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
36	<a href="#">c2pvfA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> fibroblast growth factor receptor 2; <b>PDBTitle:</b> crystal structure of tyrosine phosphorylated activated fgf receptor 22 (fgfr2) kinase domain in complex with atp analog and substrate3 peptide
37	<a href="#">d1u59a_</a>	Alignment	not modelled	100.0	32	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
38	<a href="#">d3bu3a1</a>	Alignment	not modelled	100.0	31	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
39	<a href="#">c4fijA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> serine/threonine-protein kinase pak 4; <b>PDBTitle:</b> catalytic domain of human pak4
40	<a href="#">c4dn5A_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 14; <b>PDBTitle:</b> crystal structure of nf-kb-inducing kinase (nik)
41	<a href="#">d2psqa1</a>	Alignment	not modelled	100.0	32	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
42	<a href="#">c2psqA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> fibroblast growth factor receptor 2; <b>PDBTitle:</b> crystal structure of unphosphorylated unactivated wild type2 fgf receptor 2 (fgfr2) kinase domain
43	<a href="#">c3dfaA_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> calcium-dependent protein kinase cgd3_920; <b>PDBTitle:</b> crystal structure of kinase domain of calcium-dependent protein kinase2 cgd3_920 from cryptosporidium parvum
44	<a href="#">c4aojA_</a>	Alignment	not modelled	100.0	29	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> high affinity nerve growth factor receptor; <b>PDBTitle:</b> human trka in complex with the inhibitor az-23
45	<a href="#">d1k2pa_</a>	Alignment	not modelled	100.0	32	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
46	<a href="#">d1t46a_</a>	Alignment	not modelled	100.0	34	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
47	<a href="#">c4fieB_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> serine/threonine-protein kinase pak 4; <b>PDBTitle:</b> full-length human pak4
48	<a href="#">c3tkuB_</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B; <b>PDB Molecule:</b> serine/threonine-protein kinase mrck beta; <b>PDBTitle:</b> mrck beta in complex with fasudil
49	<a href="#">c2jamB_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase type 2; <b>PDBTitle:</b> crystal structure of human calmodulin-dependent protein2 kinase i g
50	<a href="#">c3lijA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> calcium/calmodulin dependent protein kinase with 2; <b>PDBTitle:</b> crystal structure of full length cpdpk3 (cgd5_820) in2 complex with ca2+ and amppnp
51	<a href="#">c2bdwB_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> hypothetical protein k11e8.1d; <b>PDBTitle:</b> crystal structure of the auto-inhibited kinase domain of2 calcium/calmodulin activated kinase ii
52	<a href="#">d1phka_</a>	Alignment	not modelled	100.0	19	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
53	<a href="#">d1yhwa1</a>	Alignment	not modelled	100.0	26	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
54	<a href="#">c3lxA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> tyrosine-protein kinase jak3; <b>PDBTitle:</b> structural and thermodynamic characterization of the tyk2 and jak32 kinase domains in complex with cp-690550 and cmp-

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55	<a href="#">c3kulB_</a>	Alignment	not modelled	100.0	34	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> ephrin type-a receptor 8; <b>PDBTitle:</b> kinase domain of human ephrin type-a receptor 8 (epha8)
56	<a href="#">c4eutA_</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase tbk1; <b>PDBTitle:</b> structure of bx-795 complexed with unphosphorylated human tbk1 kinase-2 uld domain
57	<a href="#">d1xbba_</a>	Alignment	not modelled	100.0	31	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
58	<a href="#">c2qg5D_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase; <b>PDBTitle:</b> cryptosporidium parvum calcium dependent protein kinase cgd7_1840
59	<a href="#">d1jksa_</a>	Alignment	not modelled	100.0	23	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
60	<a href="#">c2a27B_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> death-associated protein kinase 2; <b>PDBTitle:</b> human drp-1 kinase, w305s s308a d40 mutant, crystal form with 82 monomers in the asymmetric unit
61	<a href="#">d1p4oa_</a>	Alignment	not modelled	100.0	30	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
62	<a href="#">c3plsA_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> macrophage-stimulating protein receptor; <b>PDBTitle:</b> ron in complex with ligand amp-pnp
63	<a href="#">c3lvpD_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> insulin-like growth factor 1 receptor; <b>PDBTitle:</b> crystal structure of bisphosphorylated igf1-r kinase domain (2p) in2 complex with a bis-azaindole inhibitor
64	<a href="#">c2y7jB_</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphorylase b kinase gamma catalytic chain, <b>PDBTitle:</b> structure of human phosphorylase kinase, gamma 2
65	<a href="#">c3hztA_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium-dependent protein kinase 3; <b>PDBTitle:</b> crystal structure of toxoplasma gondii cdpk3, tgme49_105860
66	<a href="#">c4ebwA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> focal adhesion kinase 1; <b>PDBTitle:</b> structure of focal adhesion kinase catalytic domain in complex with2 novel allosteric inhibitor
67	<a href="#">d1fmka3</a>	Alignment	not modelled	100.0	34	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
68	<a href="#">c2bmcD_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> serine threonine-protein kinase 6; <b>PDBTitle:</b> aurora-2 t287d t288d complexed with pha-680632
69	<a href="#">c2ya9A_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> death-associated protein kinase 2; <b>PDBTitle:</b> crystal structure of the autoinhibited form of mouse dapk2
70	<a href="#">c3l9pA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> anaplastic lymphoma kinase; <b>PDBTitle:</b> crystal structure of the anaplastic lymphoma kinase catalytic domain
71	<a href="#">d1uwha_</a>	Alignment	not modelled	100.0	29	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
72	<a href="#">c2wtkC_</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase/metal-binding protein <b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase 11; <b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalphamo25alpha2 complex
73	<a href="#">c2clqA_</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 5; <b>PDBTitle:</b> structure of mitogen-activated protein kinase kinase kinase2_5
74	<a href="#">c2pziA_</a>	Alignment	not modelled	100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable serine/threonine-protein kinase pkng; <b>PDBTitle:</b> crystal structure of protein kinase pkng from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
75	<a href="#">c3vw6B_</a>	Alignment	not modelled	100.0	29	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 5; <b>PDBTitle:</b> crystal structure of human apoptosis signal-regulating kinase 1 (ask1)2 with imidazopyridine inhibitor
76	<a href="#">c3lxnA_</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> non-receptor tyrosine-protein kinase tyk2; <b>PDBTitle:</b> structural and thermodynamic characterization of the tyk2 and jak32 kinase domains in complex with cp-690550 and cmp-6
77	<a href="#">d1mp8a_</a>	Alignment	not modelled	100.0	31	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
78	<a href="#">c3d4qA_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> b-raf proto-oncogene serine/threonine-protein kinase; <b>PDBTitle:</b> pyrazole-based inhibitors of b-raf kinase
79	<a href="#">c2bujA_</a>	Alignment	not modelled	100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase 16; <b>PDBTitle:</b> crystal structure of the human serine-threonine kinase

					162 in complex with staurosporine
80	<a href="#">d1fgka_</a>	Alignment	not modelled	100.0	32 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
81	<a href="#">c3d9vA_</a>	Alignment	not modelled	100.0	21 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rho-associated protein kinase 1; <b>PDBTitle:</b> crystal structure of rock i bound to h-1152p a di-2 methylated variant of fasudil
82	<a href="#">d1koba_</a>	Alignment	not modelled	100.0	17 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
83	<a href="#">c2a1aB_</a>	Alignment	not modelled	100.0	24 <b>PDB header:</b> protein synthesis/transferase <b>Chain:</b> B: <b>PDB Molecule:</b> interferon-induced, double-stranded rna-activated protein <b>PDBTitle:</b> pkr kinase domain-eif2alpha complex
84	<a href="#">d1fvra_</a>	Alignment	not modelled	100.0	30 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
85	<a href="#">c1xjdA_</a>	Alignment	not modelled	100.0	24 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c, theta type; <b>PDBTitle:</b> crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
86	<a href="#">d1xjda_</a>	Alignment	not modelled	100.0	24 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
87	<a href="#">c1yviA_</a>	Alignment	not modelled	100.0	25 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase jak3; <b>PDBTitle:</b> crystal structure of the jak3 kinase domain in complex with2 a staurosporine analogue
88	<a href="#">d1jpaa_</a>	Alignment	not modelled	100.0	35 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
89	<a href="#">d1koa2_</a>	Alignment	not modelled	100.0	22 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
90	<a href="#">c1mruB_</a>	Alignment	not modelled	100.0	25 <b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> probable serine/threonine-protein kinase pknb; <b>PDBTitle:</b> intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.
91	<a href="#">c2cqvA_</a>	Alignment	not modelled	100.0	24 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase chk1; <b>PDBTitle:</b> identification of chemically diverse chk1 inhibitors by2 receptor-based virtual screening
92	<a href="#">c2vz6A_</a>	Alignment	not modelled	100.0	21 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium calmodulin dependent protein kinase type ii alpha <b>PDBTitle:</b> structure of human calcium calmodulin dependent protein2 kinase type ii alpha (camk2a) in complex with indirubin3 e804
93	<a href="#">c1kobB_</a>	Alignment	not modelled	100.0	18 <b>PDB header:</b> kinase <b>Chain:</b> B: <b>PDB Molecule:</b> twitchin; <b>PDBTitle:</b> twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
94	<a href="#">d1o6ya_</a>	Alignment	not modelled	100.0	26 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
95	<a href="#">c2j51A_</a>	Alignment	not modelled	100.0	27 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ste20-like serine/threonine-protein kinase; <b>PDBTitle:</b> 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	<a href="#">d2jfla1_</a>	Alignment	not modelled	100.0	28 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
97	<a href="#">d1sm2a_</a>	Alignment	not modelled	100.0	32 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
98	<a href="#">c2qobA_</a>	Alignment	not modelled	100.0	34 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ephrin receptor; <b>PDBTitle:</b> human epha3 kinase domain, base structure
99	<a href="#">d1nvra_</a>	Alignment	not modelled	100.0	24 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
100	<a href="#">d1rjba_</a>	Alignment	not modelled	100.0	30 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
101	<a href="#">c2x4fA_</a>	Alignment	not modelled	100.0	20 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> myosin light chain kinase family member 4; <b>PDBTitle:</b> the crystal structure of the human myosin light chain2 kinase loc340156.
102	<a href="#">c4hzaA_</a>	Alignment	not modelled	100.0	27 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> activated cdc42 kinase 1; <b>PDBTitle:</b> crystal structure of ack1 kinase domain with c-terminal sh3 domain
103	<a href="#">d1mqba_</a>	Alignment	not modelled	100.0	34 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
104	<a href="#">c3cc6A_</a>	Alignment	not modelled	100.0	31 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein tyrosine kinase 2 beta; <b>PDBTitle:</b> crystal structure of kinase domain of protein tyrosine kinase 2 beta2 (ptk2b) <b>PDB header:</b> transferase, hydrolase



105	<a href="#">c3fbvL_</a>	Alignment	not modelled	100.0	26	<b>Chain:</b> L: <b>PDB Molecule:</b> serine/threonine-protein kinase/endoribonuclease ire1; <b>PDBTitle:</b> crystal structure of the oligomer formed by the kinase-ribonuclease2 domain of ire1
106	<a href="#">c4eqmE_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> E: <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
107	<a href="#">c2wqmA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase nek7; <b>PDBTitle:</b> structure of apo human nek7
108	<a href="#">c3eygA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase; <b>PDBTitle:</b> crystal structures of jak1 and jak2 inhibitor complexes
109	<a href="#">d1o6la_</a>	Alignment	not modelled	100.0	22	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
110	<a href="#">c3fupB_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> tyrosine-protein kinase jak2; <b>PDBTitle:</b> crystal structures of jak1 and jak2 inhibitor complexes
111	<a href="#">c3p23B_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> hydrolase, transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase/endoribonuclease ire1; <b>PDBTitle:</b> crystal structure of the human kinase and rnase domains in complex2 with adp
112	<a href="#">d1tkia_</a>	Alignment	not modelled	100.0	17	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
113	<a href="#">c2zv2A_</a>	Alignment	not modelled	100.0	24	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase kinase 2; <b>PDBTitle:</b> crystal structure of human calcium/calmodulin-dependent protein kinase2 kinase 2, beta, camkk2 kinase domain in complex with sto-609
114	<a href="#">c2wtkB_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase/metal-binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> ste20-related kinase adapter protein alpha; <b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalphamo25alpha2 complex
115	<a href="#">c3v5qB_</a>	Alignment	not modelled	100.0	29	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> nt-3 growth factor receptor; <b>PDBTitle:</b> discovery of a selective trk inhibitor with efficacy in rodent cancer2 tumor models
116	<a href="#">c4g3dE_</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> E: <b>PDB Molecule:</b> nf-kappa-beta-inducing kinase; <b>PDBTitle:</b> crystal structure of human nf-kappab inducing kinase (nik)
117	<a href="#">c2w1iB_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> jak2; <b>PDBTitle:</b> structure determination of aurora kinase in complex with2 inhibitor
118	<a href="#">c3p86B_</a>	Alignment	not modelled	100.0	28	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase ctr1; <b>PDBTitle:</b> crystal structure of ctr1 kinase domain mutant d676n in complex with2 staurosporine
119	<a href="#">c2r5tA_</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase sgk1; <b>PDBTitle:</b> crystal structure of inactive serum and glucocorticoid-2 regulated kinase 1 in complex with amp-pnp
120	<a href="#">c2vrxB_</a>	Alignment	not modelled	100.0	23	<b>PDB header:</b> cell cycle/transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase 12-a; <b>PDBTitle:</b> structure of aurora b kinase in complex with zm447439