



























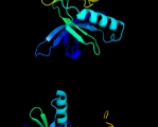
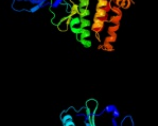



# Phyre2

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Description	Q22245
Date	Sun Jun 30 11:14:08 BST 2013
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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c2fo0A_</a>	 Alignment		100.0	33	<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	33	<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="#">c1k9aB_</a>	 Alignment		100.0	29	<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
5	<a href="#">c2h8hA_</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> src kinase in complex with a quinazoline inhibitor
6	<a href="#">c2c0iA_</a>	 Alignment		100.0	32	<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	29	<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	33	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase fes/fps; <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	35	<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="#">c3zzwA_</a>	 Alignment		100.0	32	<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

12	<a href="#">c2ivsA</a>	Alignment		100.0	31	<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
13	<a href="#">d1qcfa3</a>	Alignment		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
14	<a href="#">d1lopj_</a>	Alignment		100.0	36	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
15	<a href="#">c2pvfA</a>	Alignment		100.0	33	<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
16	<a href="#">c1lufA</a>	Alignment		100.0	34	<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
17	<a href="#">d1lufa_</a>	Alignment		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
18	<a href="#">c4im2A</a>	Alignment		100.0	20	<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
19	<a href="#">d1u59a_</a>	Alignment		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
20	<a href="#">c3qa8H</a>	Alignment		100.0	21	<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
21	<a href="#">d1qpca_</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="#">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
23	<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
24	<a href="#">d3bu3a1</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
25	<a href="#">c3g0eA</a>	Alignment	not modelled	100.0	30	<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
26	<a href="#">d1k2pa_</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
27	<a href="#">c3pfgA</a>	Alignment	not modelled	100.0	20	<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
28	<a href="#">c3kulB</a>	Alignment	not modelled	100.0	33	<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)
29	<a href="#">c3dpkA</a>	Alignment	not modelled	100.0	31	<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
30	<a href="#">c4aojA_</a>	Alignment	not modelled	100.0	31 <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
31	<a href="#">c3ckxA_</a>	Alignment	not modelled	100.0	24 <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
32	<a href="#">c3nyoB_</a>	Alignment	not modelled	100.0	19 <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
33	<a href="#">c2acxB_</a>	Alignment	not modelled	100.0	20 <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
34	<a href="#">c3lxkA_</a>	Alignment	not modelled	100.0	30 <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-6
35	<a href="#">c3qa8A_</a>	Alignment	not modelled	100.0	23 <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
36	<a href="#">d1t46a_</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
37	<a href="#">c1koaA_</a>	Alignment	not modelled	100.0	22 <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
38	<a href="#">d1p4oa_</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
39	<a href="#">c2c30A_</a>	Alignment	not modelled	100.0	23 <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
40	<a href="#">c3l9pA_</a>	Alignment	not modelled	100.0	36 <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
41	<a href="#">c3q5iA_</a>	Alignment	not modelled	100.0	24 <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> crystal structure of pbanka_031420
42	<a href="#">c3soaA_</a>	Alignment	not modelled	100.0	22 <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
43	<a href="#">c2vwiC_</a>	Alignment	not modelled	100.0	28 <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
44	<a href="#">d1fgka_</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
45	<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
46	<a href="#">d1xbba_</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
47	<a href="#">d1fmka3</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
48	<a href="#">c3lvpD_</a>	Alignment	not modelled	100.0	33 <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
49	<a href="#">d2j4za1</a>	Alignment	not modelled	100.0	25 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
50	<a href="#">c4fijA_</a>	Alignment	not modelled	100.0	23 <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
51	<a href="#">c4dn5A_</a>	Alignment	not modelled	100.0	26 <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)
52	<a href="#">c1ym7C_</a>	Alignment	not modelled	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)
53	<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
54	<a href="#">c3c4yA_</a>	Alignment	not modelled	100.0	22 <b>PDB header:</b> transferase <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
55	<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

56	<a href="#">d1mp8a_</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
57	<a href="#">c4ebwA_</a>	Alignment	not modelled	100.0	34	<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
58	<a href="#">c1yvja_</a>	Alignment	not modelled	100.0	30	<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
59	<a href="#">c3fupB_</a>	Alignment	not modelled	100.0	31	<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
60	<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
61	<a href="#">c3c4wB_</a>	Alignment	not modelled	100.0	23	<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
62	<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)
63	<a href="#">c3dfaA_</a>	Alignment	not modelled	100.0	25	<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
64	<a href="#">c3eygA_</a>	Alignment	not modelled	100.0	28	<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
65	<a href="#">c2jamB_</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase type <b>PDBTitle:</b> crystal structure of human calmodulin-dependent protein2 kinase i g
66	<a href="#">c2bdwB_</a>	Alignment	not modelled	100.0	23	<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
67	<a href="#">c2w1iB_</a>	Alignment	not modelled	100.0	31	<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
68	<a href="#">c4fieB_</a>	Alignment	not modelled	100.0	23	<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
69	<a href="#">d1mqba_</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
70	<a href="#">d1phka_</a>	Alignment	not modelled	100.0	21	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
71	<a href="#">d1yhwa1</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
72	<a href="#">c3lijA_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin dependent protein kinase with <b>PDBTitle:</b> crystal structure of full length cpdpk3 (cgd5_820) in2 complex with ca2+ and amppnp
73	<a href="#">c2qobA_</a>	Alignment	not modelled	100.0	36	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ephrin receptor; <b>PDBTitle:</b> human epha3 kinase domain, base structure
74	<a href="#">c3v5qB_</a>	Alignment	not modelled	100.0	30	<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
75	<a href="#">d1uwha_</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
76	<a href="#">c2qg5D_</a>	Alignment	not modelled	100.0	20	<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
77	<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
78	<a href="#">c3hztA_</a>	Alignment	not modelled	100.0	25	<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
79	<a href="#">d1fvra_</a>	Alignment	not modelled	100.0	36	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
80	<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
81	<a href="#">c2bujA_</a>	Alignment	not modelled	100.0	21	<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 <b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> cytoplasmic tyrosine-protein kinase bmx; <b>PDBTitle:</b> crystal structure of bmx non-receptor tyrosine kinase complex with2 dasatinib
82	<a href="#">c3sxaA</a>	Alignment	not modelled	100.0	34 <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
83	<a href="#">c3vwbB</a>	Alignment	not modelled	100.0	24 <b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> non-receptor tyrosine-protein kinase tyk2; <b>PDBTitle:</b> structure of mouse tyk-2 complexed to a 3-aminoindazole inhibitor
84	<a href="#">c4e1za</a>	Alignment	not modelled	100.0	26 <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
85	<a href="#">c3d4qa</a>	Alignment	not modelled	100.0	29 <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
86	<a href="#">c2bmcD</a>	Alignment	not modelled	100.0	27 <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
87	<a href="#">c3tkuB</a>	Alignment	not modelled	100.0	22 <b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase mer; <b>PDBTitle:</b> crystal structure of catalytic domain of the proto-oncogene tyrosine-2 protein kinase mer in complex with adp
88	<a href="#">c3brbB</a>	Alignment	not modelled	100.0	30 <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
89	<a href="#">c2clqA</a>	Alignment	not modelled	100.0	22 <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
90	<a href="#">c2a1aB</a>	Alignment	not modelled	100.0	25 <b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
91	<a href="#">d1xjda</a>	Alignment	not modelled	100.0	22 <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
92	<a href="#">c1xjdA</a>	Alignment	not modelled	100.0	22 <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="#">c2vz6A</a>	Alignment	not modelled	100.0	20 <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
94	<a href="#">c2y7jB</a>	Alignment	not modelled	100.0	18 <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
95	<a href="#">c2ya9A</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
96	<a href="#">d1rjba</a>	Alignment	not modelled	100.0	34 <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-stradalalpha-mo25alpha2 complex
97	<a href="#">c2wtkC</a>	Alignment	not modelled	100.0	22 <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.
98	<a href="#">c1mrub</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
99	<a href="#">d1koba</a>	Alignment	not modelled	100.0	22 <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
100	<a href="#">c2j51A</a>	Alignment	not modelled	100.0	24 <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
101	<a href="#">c4hzsA</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
102	<a href="#">d1koaa2</a>	Alignment	not modelled	100.0	19 <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
103	<a href="#">c3p86B</a>	Alignment	not modelled	100.0	30 <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
104	<a href="#">c1kobB</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
105	<a href="#">d1o6ya</a>	Alignment	not modelled	100.0	26 <b>PDB header:</b> transferase/transferase inhibitor

106	<a href="#">c4eutA_</a>	Alignment	not modelled	100.0	18	<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
107	<a href="#">c2cgvA_</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
108	<a href="#">d2ifla1</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
109	<a href="#">c2x4fA_</a>	Alignment	not modelled	100.0	22	<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.
110	<a href="#">c1xkka_</a>	Alignment	not modelled	100.0	29	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> epidermal growth factor receptor; <b>PDBTitle:</b> egfr kinase domain complexed with a quinazoline inhibitor-2 gw572016
111	<a href="#">d1xkka_</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
112	<a href="#">c4eqmE_</a>	Alignment	not modelled	100.0	24	<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
113	<a href="#">c3d9vA_</a>	Alignment	not modelled	100.0	20	<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
114	<a href="#">c3zosA_</a>	Alignment	not modelled	100.0	30	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> epithelial discoidin domain-containing receptor 1; <b>PDBTitle:</b> structure of the ddr1 kinase domain in complex with ponatinib
115	<a href="#">c2vrxB_</a>	Alignment	not modelled	100.0	22	<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
116	<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
117	<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
118	<a href="#">d1o6la_</a>	Alignment	not modelled	100.0	21	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
119	<a href="#">c3zbfA_</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 ros; <b>PDBTitle:</b> structure of human ros1 kinase domain in complex with crizotinib
120	<a href="#">d1byga_</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