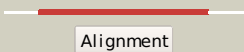

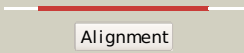



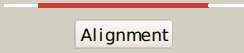



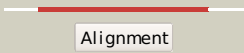

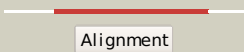

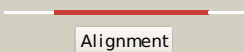

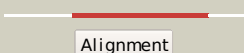



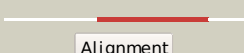



# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P06239
Date	Wed May 9 17:41:23 BST 2012
Unique Job ID	fc5012041460fc28

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c1y57A_</a>	 Alignment		100.0	61	<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
2	<a href="#">c2h8hA_</a>	 Alignment		100.0	60	<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
3	<a href="#">c2fo0A_</a>	 Alignment		100.0	44	<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
4	<a href="#">c1oplA_</a>	 Alignment		100.0	44	<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
5	<a href="#">c2c0iA_</a>	 Alignment		100.0	71	<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
6	<a href="#">c1k9aB_</a>	 Alignment		100.0	42	<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
7	<a href="#">c2ozoA_</a>	 Alignment		100.0	34	<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
8	<a href="#">c3cblA_</a>	 Alignment		100.0	39	<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
9	<a href="#">c2j0kB_</a>	 Alignment		100.0	34	<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.
10	<a href="#">d1qcfa3</a>	 Alignment		100.0	76	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
11	<a href="#">d1qpca_</a>	 Alignment		100.0	97	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit

12	<a href="#">d1opja_</a>	Alignment		100.0	47	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
13	<a href="#">d1u59a_</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
14	<a href="#">c3zzwA_</a>	Alignment		100.0	38	<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
15	<a href="#">d1fmka3</a>	Alignment		100.0	64	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
16	<a href="#">d1k2pa_</a>	Alignment		100.0	43	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
17	<a href="#">c2ivsA_</a>	Alignment		100.0	43	<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
18	<a href="#">c3g0eA_</a>	Alignment		100.0	38	<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
19	<a href="#">c3pfaA_</a>	Alignment		100.0	23	<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
20	<a href="#">c1lufA_</a>	Alignment		100.0	40	<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
21	<a href="#">d1lufa_</a>	Alignment	not modelled	100.0	40	<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="#">c3dpkA_</a>	Alignment	not modelled	100.0	40	<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
23	<a href="#">c2pvfA_</a>	Alignment	not modelled	100.0	41	<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
24	<a href="#">c2acxB_</a>	Alignment	not modelled	100.0	22	<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
25	<a href="#">d2psqa1</a>	Alignment	not modelled	100.0	42	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
26	<a href="#">c2psqA_</a>	Alignment	not modelled	100.0	42	<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
27	<a href="#">c3ckxA_</a>	Alignment	not modelled	100.0	27	<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
28	<a href="#">d3bu3a1</a>	Alignment	not modelled	100.0	40	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit

29	<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
30	<a href="#">c3qa8A_</a>	Alignment	not modelled	100.0	24	<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
31	<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
32	<a href="#">c1ym7C_</a>	Alignment	not modelled	100.0	22	<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)
33	<a href="#">d1t46a_</a>	Alignment	not modelled	100.0	38	<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="#">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
35	<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
36	<a href="#">c1koaA_</a>	Alignment	not modelled	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
37	<a href="#">c3plsA_</a>	Alignment	not modelled	100.0	36	<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
38	<a href="#">d1xbba_</a>	Alignment	not modelled	100.0	41	<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="#">d1sm2a_</a>	Alignment	not modelled	100.0	43	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
40	<a href="#">d1mp8a_</a>	Alignment	not modelled	100.0	39	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
41	<a href="#">c3lxaA_</a>	Alignment	not modelled	100.0	37	<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
42	<a href="#">c2wtkC_</a>	Alignment	not modelled	100.0	23	<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-stradalpham25alpha2 complex
43	<a href="#">d1fgka_</a>	Alignment	not modelled	100.0	40	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
44	<a href="#">c3q5iA_</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> crystal structure of pbanka_031420
45	<a href="#">c3eygA_</a>	Alignment	not modelled	100.0	37	<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
46	<a href="#">c3l9pA_</a>	Alignment	not modelled	100.0	39	<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
47	<a href="#">c3lvpD_</a>	Alignment	not modelled	100.0	41	<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
48	<a href="#">d1p4oa_</a>	Alignment	not modelled	100.0	39	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
49	<a href="#">c1yvjA_</a>	Alignment	not modelled	100.0	37	<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
50	<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
51	<a href="#">c3sxrA_</a>	Alignment	not modelled	100.0	44	<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
52	<a href="#">d1uwha_</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
53	<a href="#">c2bujA_</a>	Alignment	not modelled	100.0	23	<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
54	<a href="#">d1yhwa1</a>	Alignment	not modelled	100.0	20	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
55	<a href="#">c2cc6A_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein tyrosine kinase 2 beta;

55	<a href="#">c3c0a</a>	Alignment	not modelled	100.0	35	<b>PDBTitle:</b> crystal structure of kinase domain of protein tyrosine kinase 2 beta2 (ptk2b) <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
56	<a href="#">c3d4qA</a>	Alignment	not modelled	100.0	35	<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
57	<a href="#">c2a1aB</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
58	<a href="#">d1jpaa</a>	Alignment	not modelled	100.0	43	<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
59	<a href="#">c3fupB</a>	Alignment	not modelled	100.0	36	<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
60	<a href="#">c3v5qB</a>	Alignment	not modelled	100.0	36	<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
61	<a href="#">c2w1iB</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
62	<a href="#">d1mqba</a>	Alignment	not modelled	100.0	44	<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
63	<a href="#">c3lijA</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
64	<a href="#">d1rjba</a>	Alignment	not modelled	100.0	43	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
65	<a href="#">d1fvra</a>	Alignment	not modelled	100.0	37	<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
66	<a href="#">c2bmcD</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase, hydrolase <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
67	<a href="#">c3fbvL</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
68	<a href="#">d1phka</a>	Alignment	not modelled	100.0	22	<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
69	<a href="#">c2clqA</a>	Alignment	not modelled	100.0	24	<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
70	<a href="#">c3lxnA</a>	Alignment	not modelled	100.0	36	<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
71	<a href="#">c2j51A</a>	Alignment	not modelled	100.0	22	<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
72	<a href="#">c3d9vA</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
73	<a href="#">d1xkka</a>	Alignment	not modelled	100.0	34	<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
74	<a href="#">c1xkka</a>	Alignment	not modelled	100.0	34	<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
75	<a href="#">c3dfaA</a>	Alignment	not modelled	100.0	26	<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.
76	<a href="#">c1mruB</a>	Alignment	not modelled	100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ephrin receptor; <b>PDBTitle:</b> human epha3 kinase domain, base structure
77	<a href="#">c2qobA</a>	Alignment	not modelled	100.0	39	<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="#">d2jfla1</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase;
79	<a href="#">c2qg5D</a>	Alignment	not modelled	100.0	22	

						<b>PDBTitle:</b> cryptosporidium parvum calcium dependent protein kinase cgd7_1840
80	<a href="#">c2y7jB_</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
81	<a href="#">d1byga_</a>	Alignment	not modelled	100.0	47	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
82	<a href="#">d1ckia_</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
83	<a href="#">c2a27B_</a>	Alignment	not modelled	100.0	25	<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
84	<a href="#">d1jksa_</a>	Alignment	not modelled	100.0	27	<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="#">c3hztA_</a>	Alignment	not modelled	100.0	27	<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
86	<a href="#">c3p86B_</a>	Alignment	not modelled	100.0	34	<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
87	<a href="#">c2chlA_</a>	Alignment	not modelled	100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> casein kinase i isoform gamma-3; <b>PDBTitle:</b> structure of casein kinase 1 gamma 3
88	<a href="#">c2cgvA_</a>	Alignment	not modelled	100.0	25	<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
89	<a href="#">c3comB_</a>	Alignment	not modelled	100.0	27	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase 4; <b>PDBTitle:</b> crystal structure of mst1 kinase
90	<a href="#">c3p23B_</a>	Alignment	not modelled	100.0	22	<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
91	<a href="#">d1o6ya_</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
92	<a href="#">c2wqmA_</a>	Alignment	not modelled	100.0	25	<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
93	<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
94	<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
95	<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
96	<a href="#">c2vd5A_</a>	Alignment	not modelled	100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dmpk protein; <b>PDBTitle:</b> structure of human myotonic dystrophy protein kinase in2 complex with the bisindolylmaleide inhibitor bim viii
97	<a href="#">c3k54A_</a>	Alignment	not modelled	100.0	41	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase btk; <b>PDBTitle:</b> structures of human bruton's tyrosine kinase in active and inactive2 conformations suggests a mechanism of activation for tec family3 kinases.
98	<a href="#">d1koba_</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
99	<a href="#">c2ya9A_</a>	Alignment	not modelled	100.0	25	<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
100	<a href="#">c2r5tA_</a>	Alignment	not modelled	100.0	22	<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
101	<a href="#">c3dtcA_</a>	Alignment	not modelled	100.0	32	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 9; <b>PDBTitle:</b> crystal structure of mixed-lineage kinase mlk1 complexed2 with compound 16
102	<a href="#">c2zv2A_</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 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
103	<a href="#">d1nvra_</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
104	<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 Ikb1-stradalphamo25alpha2 complex
105	<a href="#">c2pziA_</a>	Alignment	not modelled	100.0	20	<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 tetrahydrobenzothioephene ax20017
106	<a href="#">c3brbB_</a>	Alignment	not modelled	100.0	39	<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
107	<a href="#">c2x4fA_</a>	Alignment	not modelled	100.0	24	<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.
108	<a href="#">c2vz6A_</a>	Alignment	not modelled	100.0	23	<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
109	<a href="#">d1uu3a_</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
110	<a href="#">c2r7bA_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> signaling protein, transferase <b>Chain:</b> A: <b>PDB Molecule:</b> phosphoinositide-dependent protein kinase 1; <b>PDBTitle:</b> crystal structure of the phosphoinositide-dependent kinase-2 1 (pdk-1)catalytic domain bound to a dibenzonaphthyridine3 inhibitor
111	<a href="#">c2c47D_</a>	Alignment	not modelled	100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> casein kinase 1 gamma 2 isoform; <b>PDBTitle:</b> structure of casein kinase 1 gamma 2
112	<a href="#">c2qluA_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> activin receptor type iib; <b>PDBTitle:</b> crystal structure of activin receptor type ii kinase domain2 from human
113	<a href="#">c1kobB_</a>	Alignment	not modelled	100.0	23	<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
114	<a href="#">d1koaa2</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
115	<a href="#">c2h6dA_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> signaling protein,transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 5'-amp-activated protein kinase catalytic subunit <b>PDBTitle:</b> protein kinase domain of the human 5'-amp-activated protein2 kinase catalytic subunit alpha-2 (ampk alpha-2 chain)
116	<a href="#">d1tkia_</a>	Alignment	not modelled	100.0	20	<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="#">d1ywna1</a>	Alignment	not modelled	100.0	37	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
118	<a href="#">d1o6la_</a>	Alignment	not modelled	100.0	20	<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="#">d1u46a_</a>	Alignment	not modelled	100.0	37	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
120	<a href="#">c2y94A_</a>	Alignment	not modelled	100.0	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> 5'-amp-activated protein kinase catalytic subunit alpha-1; <b>PDBTitle:</b> structure of an active form of mammalian ampk