

| #  | Template                | Alignment Coverage                                                                               | 3D Model                                                                            | Confidence | % i.d. | Template Information                                                                                                                                                                                                                                                  |
|----|-------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <a href="#">c2pziA_</a> | <br>Alignment   |    | 100.0      | 11     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> probable serine/threonine-protein kinase pkng;<br><b>PDBTitle:</b> crystal structure of protein kinase pkng from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017 |
| 2  | <a href="#">c3qa8A_</a> | <br>Alignment   |    | 100.0      | 14     | <b>PDB header:</b> immune system, signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> mgc80376 protein;<br><b>PDBTitle:</b> crystal structure of inhibitor of kappa b kinase beta                                                                              |
| 3  | <a href="#">c1ym7C_</a> | <br>Alignment   |    | 100.0      | 16     | <b>PDB header:</b> transferase<br><b>Chain:</b> C: <b>PDB Molecule:</b> beta-adrenergic receptor kinase 1;<br><b>PDBTitle:</b> g protein-coupled receptor kinase 2 (grk2)                                                                                             |
| 4  | <a href="#">c2acxB_</a> | <br>Alignment   |    | 100.0      | 14     | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> g protein-coupled receptor kinase 6;<br><b>PDBTitle:</b> crystal structure of g protein coupled receptor kinase 6 bound to2 amppnp                                                            |
| 5  | <a href="#">c3pfqA_</a> | <br>Alignment |  | 100.0      | 15     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c beta type;<br><b>PDBTitle:</b> crystal structure and allosteric activation of protein kinase c beta2 ii                                                                      |
| 6  | <a href="#">c1koaA_</a> | <br>Alignment |  | 100.0      | 18     | <b>PDB header:</b> kinase<br><b>Chain:</b> A: <b>PDB Molecule:</b> twitchin;<br><b>PDBTitle:</b> twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains                                                                       |
| 7  | <a href="#">c2fo0A_</a> | <br>Alignment |  | 100.0      | 15     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase abl1 (1b isoform);<br><b>PDBTitle:</b> organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase                     |
| 8  | <a href="#">c3c4yA_</a> | <br>Alignment |  | 100.0      | 16     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> rhodopsin kinase;<br><b>PDBTitle:</b> crystal structure of apo form of g protein coupled receptor kinase 12 at 7.51a                                                                          |
| 9  | <a href="#">c1oplA_</a> | <br>Alignment |  | 100.0      | 15     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase;<br><b>PDBTitle:</b> structural basis for the auto-inhibition of c-abl tyrosine2 kinase                                                                |
| 10 | <a href="#">c3q5iA_</a> | <br>Alignment |  | 100.0      | 14     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase;<br><b>PDBTitle:</b> crystal structure of pbanka_031420                                                                                                                        |
| 11 | <a href="#">c3ckxA_</a> | <br>Alignment |  | 100.0      | 16     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase 24;<br><b>PDBTitle:</b> crystal structure of sterile 20-like kinase 3 (mst3, stk24)2 in complex with staurosporine                                            |

|    |                         |           |                                                                                     |       |    |                                                                                                                                                                                                                                                                                                        |
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| 12 | <a href="#">c2j0kB_</a> | Alignment |    | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> focal adhesion kinase 1;<br><b>PDBTitle:</b> crystal structure of a fragment of focal adhesion kinase2 containing the ferm and kinase domains.                                                                                 |
| 13 | <a href="#">c2c30A_</a> | Alignment |    | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase pak 6;<br><b>PDBTitle:</b> crystal structure of the human p21-activated kinase 6                                                                                                               |
| 14 | <a href="#">c3soaA_</a> | Alignment |    | 100.0 | 13 | <b>PDB header:</b> transferase/transferase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase type ii subunit<br><b>PDBTitle:</b> full-length human camkii                                                                                                 |
| 15 | <a href="#">c1k9aB_</a> | Alignment |    | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> carboxyl-terminal src kinase;<br><b>PDBTitle:</b> crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution                                                                                  |
| 16 | <a href="#">c2vwiC_</a> | Alignment |    | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase osr1;<br><b>PDBTitle:</b> structure of the osr1 kinase, a hypertension drug target                                                                                                             |
| 17 | <a href="#">c2ozoA_</a> | Alignment |    | 100.0 | 11 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase zap-70;<br><b>PDBTitle:</b> autoinhibited intact human zap-70                                                                                                                                          |
| 18 | <a href="#">c2h8hA_</a> | Alignment |   | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase src;<br><b>PDBTitle:</b> src kinase in complex with a quinazoline inhibitor                                                                                                             |
| 19 | <a href="#">c1y57A_</a> | Alignment |  | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase src;<br><b>PDBTitle:</b> structure of unphosphorylated c-src in complex with an inhibitor                                                                                               |
| 20 | <a href="#">d1phka_</a> | Alignment |  | 100.0 | 12 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                   |
| 21 | <a href="#">d1qcfa3</a> | Alignment | not modelled                                                                        | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                   |
| 22 | <a href="#">c3lija_</a> | Alignment | not modelled                                                                        | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin dependent protein kinase with<br><b>PDBTitle:</b> crystal structure of full length cpdpk3 (cgd5_820) in2 complex with ca2+ and amppnp                                                                       |
| 23 | <a href="#">d2j4za1</a> | Alignment | not modelled                                                                        | 100.0 | 12 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                   |
| 24 | <a href="#">d2jfla1</a> | Alignment | not modelled                                                                        | 100.0 | 13 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                   |
| 25 | <a href="#">c2y7jB_</a> | Alignment | not modelled                                                                        | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> phosphorylase b kinase gamma catalytic chain,<br><b>PDBTitle:</b> structure of human phosphorylase kinase, gamma 2                                                                                                             |
| 26 | <a href="#">c2j51A_</a> | Alignment | not modelled                                                                        | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ste20-like serine/threonine-protein kinase;<br><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 |
| 27 | <a href="#">c3zzwA_</a> | Alignment | not modelled                                                                        | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase transmembrane receptor ror2;<br><b>PDBTitle:</b> crystal structure of the kinase domain of ror2                                                                                                        |
| 28 | <a href="#">c3n60A_</a> | Alignment | not modelled                                                                        | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> rop5b;                                                                                                                                                                                                                         |

|    |                         |           |              |       |    |                                                                                                                                                                                                                                                                                                              |
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| 28 | <a href="#">c3q9vA</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDBTitle:</b> crystal structure of virulent allele rop5b pseudokinase domain bound2 to atp<br><b>PDB header:</b> transferase                                                                                                                                                                              |
| 29 | <a href="#">c3d9vA</a>  | Alignment | not modelled | 100.0 | 12 | <b>Chain:</b> A: <b>PDB Molecule:</b> rho-associated protein kinase 1;<br><b>PDBTitle:</b> crystal structure of rock i bound to h-1152p a di-2 methylated variant of fasudil                                                                                                                                 |
| 30 | <a href="#">c3fbvL</a>  | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase, hydrolase<br><b>Chain:</b> L: <b>PDB Molecule:</b> serine/threonine-protein kinase/endoribonuclease ire1;<br><b>PDBTitle:</b> crystal structure of the oligomer formed by the kinase-ribonuclease2 domain of ire1                                                            |
| 31 | <a href="#">c2qg5D</a>  | Alignment | not modelled | 100.0 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> D: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase;<br><b>PDBTitle:</b> cryptosporidium parvum calcium dependent protein kinase cgd7_1840                                                                                                   |
| 32 | <a href="#">c2c0iA</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase hck;<br><b>PDBTitle:</b> src family kinase hck with bound inhibitor a-420983                                                                                                                                 |
| 33 | <a href="#">c2bujA</a>  | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase 16;<br><b>PDBTitle:</b> crystal structure of the human serine-threonine kinase 162 in complex with staurosporine                                                                                     |
| 34 | <a href="#">c2a1aB</a>  | Alignment | not modelled | 100.0 | 12 | <b>PDB header:</b> protein synthesis/transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> interferon-induced, double-stranded rna-activated protein<br><b>PDBTitle:</b> pkr kinase domain-eif2alpha complex                                                                                                  |
| 35 | <a href="#">dl0pia</a>  | Alignment | not modelled | 100.0 | 16 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                         |
| 36 | <a href="#">d1yhwa1</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                         |
| 37 | <a href="#">c1mrub</a>  | Alignment | not modelled | 100.0 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> probable serine/threonine-protein kinase pknb;<br><b>PDBTitle:</b> intracellular ser/thr protein kinase domain of2 mycobacterium tuberculosis pknb.                                                                                  |
| 38 | <a href="#">c2a27B</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> death-associated protein kinase 2;<br><b>PDBTitle:</b> human drp-1 kinase, w305s s308a d40 mutant, crystal form with 82 monomers in the asymmetric unit                                                                              |
| 39 | <a href="#">d1qpca</a>  | Alignment | not modelled | 100.0 | 16 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                         |
| 40 | <a href="#">c2wtkC</a>  | Alignment | not modelled | 100.0 | 12 | <b>PDB header:</b> transferase/metal-binding protein<br><b>Chain:</b> C: <b>PDB Molecule:</b> serine/threonine-protein kinase 11;<br><b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex                                                                                     |
| 41 | <a href="#">d1jksa</a>  | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                                         |
| 42 | <a href="#">c3dfaA</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> calcium-dependent protein kinase cgd3_920;<br><b>PDBTitle:</b> crystal structure of kinase domain of calcium-dependent protein kinase2 cgd3_920 from cryptosporidium parvum                                                          |
| 43 | <a href="#">c3p23B</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> hydrolase, transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase/endoribonuclease ire1;<br><b>PDBTitle:</b> crystal structure of the human kinase and rnase domains in complex2 with adp                                                                   |
| 44 | <a href="#">c3g0eA</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> mast/stem cell growth factor receptor;<br><b>PDBTitle:</b> kit kinase domain in complex with sunitinib                                                                                                                               |
| 45 | <a href="#">c3hztA</a>  | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> calcium-dependent protein kinase 3;<br><b>PDBTitle:</b> crystal structure of toxoplasma gondii cdpk3, tgme49_105860                                                                                                                  |
| 46 | <a href="#">c2pvfA</a>  | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> fibroblast growth factor receptor 2;<br><b>PDBTitle:</b> crystal structure of tyrosine phosphorylated activated fgf2 receptor 2 (fgfr2) kinase domain in complex with atp3 analog and substrate peptide                              |
| 47 | <a href="#">c2zv2A</a>  | Alignment | not modelled | 100.0 | 12 | <b>PDB header:</b> transferase/transferase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> calcium/calmodulin-dependent protein kinase kinase 2;<br><b>PDBTitle:</b> crystal structure of human calcium/calmodulin-dependent protein kinase2 kinase 2, beta, camkk2 kinase domain in complex with sto-609 |
| 48 | <a href="#">c3byvA</a>  | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> rhoptry kinase;<br><b>PDBTitle:</b> crystal structure of toxoplasma gondii specific rhoptry2 antigen kinase domain                                                                                                                   |
| 49 | <a href="#">c2ya9A</a>  | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> death-associated protein kinase 2;<br><b>PDBTitle:</b> crystal structure of the autoinhibited form of mouse dapk2                                                                                                                    |
| 50 | <a href="#">c3dzoA</a>  | Alignment | not modelled | 100.0 | 12 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> rhoptry kinase domain;<br><b>PDBTitle:</b> crystal structure of a rhoptry kinase from toxoplasma gondii                                                                                                                              |
| 51 | <a href="#">c2vd5A</a>  | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> dmpk protein;<br><b>PDBTitle:</b> structure of human myotonic dystrophy protein kinase in2 complex with the bisindolylmaleide inhibitor bim viii                                                                                     |
| 52 | <a href="#">c2ivsA</a>  | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase receptor                                                                                                                                                                                      |

|    |                         |           |              |       |    |                                                                                                                                                                                                                                                                                 |
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|    |                         |           |              |       |    | <b>PDBTitle:</b> crystal structure of non-phosphorylated ret tyrosine kinase2 domain                                                                                                                                                                                            |
| 53 | <a href="#">c2jiiA_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase vrk3 molecule: vaccinia<br><b>PDBTitle:</b> structure of vaccinia related kinase 3                                                                                      |
| 54 | <a href="#">c1xjdA_</a> | Alignment | not modelled | 100.0 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c, theta type;<br><b>PDBTitle:</b> crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution                                                                         |
| 55 | <a href="#">d1xjda_</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 56 | <a href="#">c2bmcD_</a> | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> D: <b>PDB Molecule:</b> serine threonine-protein kinase 6;<br><b>PDBTitle:</b> aurora-2 t287d t288d complexed with pha-680632                                                                                                   |
| 57 | <a href="#">d1uwha_</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 58 | <a href="#">c2bdwB_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> hypothetical protein k11e8.1d;<br><b>PDBTitle:</b> crystal structure of the auto-inhibited kinase domain of2 calcium/calmodulin activated kinase ii                                                     |
| 59 | <a href="#">d1o6ya_</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 60 | <a href="#">d1ckia_</a> | Alignment | not modelled | 100.0 | 15 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 61 | <a href="#">c3plsA_</a> | Alignment | not modelled | 100.0 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> macrophage-stimulating protein receptor;<br><b>PDBTitle:</b> ron in complex with ligand amp-pnp                                                                                                         |
| 62 | <a href="#">c2clqA_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase kinase 5;<br><b>PDBTitle:</b> structure of mitogen-activated protein kinase kinase kinase2 5                                                                    |
| 63 | <a href="#">c2wtkB_</a> | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase/metal-binding protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> ste20-related kinase adapter protein alpha;<br><b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex                                                |
| 64 | <a href="#">c3dpkA_</a> | Alignment | not modelled | 100.0 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> macrophage colony-stimulating factor 1 receptor;<br><b>PDBTitle:</b> cfms tyrosine kinase in complex with a pyridopyrimidinone2 inhibitor                                                               |
| 65 | <a href="#">c2cgvA_</a> | Alignment | not modelled | 100.0 | 12 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase chk1;<br><b>PDBTitle:</b> identification of chemically diverse chk1 inhibitors by2 receptor-based virtual screening                                                     |
| 66 | <a href="#">c3d4qA_</a> | Alignment | not modelled | 100.0 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> b-raf proto-oncogene serine/threonine-protein kinase;<br><b>PDBTitle:</b> pyrazole-based inhibitors of b-raf kinase                                                                                     |
| 67 | <a href="#">d1k2pa_</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 68 | <a href="#">d2psqa1</a> | Alignment | not modelled | 100.0 | 16 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 69 | <a href="#">c2psqA_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> fibroblast growth factor receptor 2;<br><b>PDBTitle:</b> crystal structure of unphosphorylated unactivated wild type2 fgf receptor 2 (fgfr2) kinase domain                                              |
| 70 | <a href="#">c3cblA_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> proto-oncogene tyrosine-protein kinase fes/ffps;<br><b>PDBTitle:</b> crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide |
| 71 | <a href="#">d1koaa2</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 72 | <a href="#">d1nvra_</a> | Alignment | not modelled | 100.0 | 15 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 73 | <a href="#">c3e7eA_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> mitotic checkpoint serine/threonine-protein kinase bub1;<br><b>PDBTitle:</b> structure and substrate recruitment of the human spindle checkpoint2 kinase bub                                            |
| 74 | <a href="#">c1lufA_</a> | Alignment | not modelled | 100.0 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> muscle-specific tyrosine kinase receptor musk;<br><b>PDBTitle:</b> crystal structure of the musk tyrosine kinase: insights2 into receptor autoregulation                                                |
| 75 | <a href="#">d1lufa_</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                            |
| 76 | <a href="#">c2x4fA_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> myosin light chain kinase family member 4;<br><b>PDBTitle:</b> the crystal structure of the human myosin light chain2 kinase loc340156.                                                                 |

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|-----|-------------------------|-----------|--------------|-------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 77  | <a href="#">d1u59a_</a> | Alignment | not modelled | 100.0 | 11 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 78  | <a href="#">d1o6la_</a> | Alignment | not modelled | 100.0 | 17 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 79  | <a href="#">d1koba_</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 80  | <a href="#">c1kobB_</a> | Alignment | not modelled | 100.0 | 19 | <b>PDB header:</b> kinase<br><b>Chain:</b> B: <b>PDB Molecule:</b> twitchin;<br><b>PDBTitle:</b> twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain                                                                                                                     |
| 81  | <a href="#">c3lxaA_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase jak3;<br><b>PDBTitle:</b> structural and thermodynamic characterization of the tyk2 and jak32 kinase domains in complex with cp-690550 and cmp-6                                              |
| 82  | <a href="#">c2chlA_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> casein kinase i isoform gamma-3;<br><b>PDBTitle:</b> structure of casein kinase 1 gamma 3                                                                                                                             |
| 83  | <a href="#">c2vz6A_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> calcium calmodulin dependent protein kinase type ii alpha<br><b>PDBTitle:</b> structure of human calcium calmodulin dependent protein2 kinase type ii alpha (camk2a) in complex with indirubin3 e804                  |
| 84  | <a href="#">c1zrzA_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c, iota;<br><b>PDBTitle:</b> crystal structure of the catalytic domain of atypical2 protein kinase c-iota                                                                                              |
| 85  | <a href="#">c3is5E_</a> | Alignment | not modelled | 100.0 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> E: <b>PDB Molecule:</b> calcium-dependent protein kinase;<br><b>PDBTitle:</b> crystal structure of cdpk kinase domain from toxoplasma gondii, 2 tgm49_018720                                                                                  |
| 86  | <a href="#">c3c0hB_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> peripheral plasma membrane protein cask;<br><b>PDBTitle:</b> cask cam-kinase domain- amppnp complex, p1 form                                                                                                          |
| 87  | <a href="#">c2c47D_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> D: <b>PDB Molecule:</b> casein kinase 1 gamma 2 isoform;<br><b>PDBTitle:</b> structure of casein kinase 1 gamma 2                                                                                                                             |
| 88  | <a href="#">d1t46a_</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 89  | <a href="#">d3bu3a1</a> | Alignment | not modelled | 100.0 | 18 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 90  | <a href="#">c3an0A_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase/transferase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> dual specificity mitogen-activated protein kinase kinase 6;<br><b>PDBTitle:</b> crystal structure of non-phosphorylated map2k6 as a putative auto2 inhibition state                             |
| 91  | <a href="#">d1xwsa_</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 92  | <a href="#">c2r7bA_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> signaling protein, transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> phosphoinositide-dependent protein kinase 1;<br><b>PDBTitle:</b> crystal structure of the phosphoinositide-dependent kinase-2 1 (pdk-1)catalytic domain bound to a dibenzonaphthyridine3 inhibitor |
| 93  | <a href="#">c3comB_</a> | Alignment | not modelled | 100.0 | 12 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase 4;<br><b>PDBTitle:</b> crystal structure of mst1 kinase                                                                                                                               |
| 94  | <a href="#">d1tkia_</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 95  | <a href="#">c2j2iB_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> proto-oncogene serine/threonine-protein kinase pim-1;<br><b>PDBTitle:</b> crystal structure of the humab pim1 in complex with2 ly333531                                                                               |
| 96  | <a href="#">c2r5tA_</a> | Alignment | not modelled | 100.0 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase sgk1;<br><b>PDBTitle:</b> crystal structure of inactive serum and glucocorticoid-2 regulated kinase 1 in complex with amp-pnp                                                         |
| 97  | <a href="#">c3lvpD_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> D: <b>PDB Molecule:</b> insulin-like growth factor 1 receptor;<br><b>PDBTitle:</b> crystal structure of bisphosphorylated igf1-r kinase domain (2p) in2 complex with a bis-azaindole inhibitor                                                |
| 98  | <a href="#">d1fmka3</a> | Alignment | not modelled | 100.0 | 16 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 99  | <a href="#">c2cn5A_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase chk2;<br><b>PDBTitle:</b> crystal structure of human chk2 in complex with adp                                                                                                         |
| 100 | <a href="#">d1uu3a_</a> | Alignment | not modelled | 100.0 | 13 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                                                                          |
| 101 | <a href="#">c2h6dA_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> signaling protein,transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> 5'-amp-activated protein kinase catalytic subunit<br><b>PDBTitle:</b> protein kinase domain of the human 5'-amp-activated                                                                           |

|     |                         |           |              |       |    |                                                                                                                                                                                                                                                 |
|-----|-------------------------|-----------|--------------|-------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                         |           |              |       |    | protein2 kinase catalytic subunit alpha-2 (ampk alpha-2 chain)                                                                                                                                                                                  |
| 102 | <a href="#">c2i0eB_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> protein kinase c-beta ii;<br><b>PDBTitle:</b> structure of catalytic domain of human protein kinase c2 beta ii complexed with a bisindolylmaleimide inhibitor           |
| 103 | <a href="#">d1csna_</a> | Alignment | not modelled | 100.0 | 13 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 104 | <a href="#">c2qluA_</a> | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> activin receptor type iib;<br><b>PDBTitle:</b> crystal structure of activin receptor type ii kinase domain2 from human                                                  |
| 105 | <a href="#">c2wqmA_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase nek7;<br><b>PDBTitle:</b> structure of apo human nek7                                                                                   |
| 106 | <a href="#">c1yvjA_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase jak3;<br><b>PDBTitle:</b> crystal structure of the jak3 kinase domain in complex with2 a staurosporine analogue                                 |
| 107 | <a href="#">d1xbba_</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 108 | <a href="#">d1fota_</a> | Alignment | not modelled | 100.0 | 14 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 109 | <a href="#">c3ku2A_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> calmodulin-domain protein kinase 1;<br><b>PDBTitle:</b> crystal structure of inactivated form of cdpk1 from toxoplasma gondii,2 tyme49.101440                           |
| 110 | <a href="#">d1sm2a_</a> | Alignment | not modelled | 100.0 | 13 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 111 | <a href="#">c2v62A_</a> | Alignment | not modelled | 100.0 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase vrk2;<br><b>PDBTitle:</b> structure of vaccinia-related kinase 2                                                                        |
| 112 | <a href="#">c2y94A_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> 5'-amp-activated protein kinase catalytic subunit alpha-1;<br><b>PDBTitle:</b> structure of an active form of mammalian ampk                                            |
| 113 | <a href="#">d1iasa_</a> | Alignment | not modelled | 100.0 | 12 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 114 | <a href="#">c3l9pA_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> anaplastic lymphoma kinase;<br><b>PDBTitle:</b> crystal structure of the anaplastic lymphoma kinase catalytic domain                                                    |
| 115 | <a href="#">c2x7fA_</a> | Alignment | not modelled | 100.0 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> traf2 and nck-interacting protein kinase;<br><b>PDBTitle:</b> crystal structure of the kinase domain of human traf2-and2 nck-interacting kinase with wee1chk1 inhibitor |
| 116 | <a href="#">d1gzka_</a> | Alignment | not modelled | 100.0 | 19 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 117 | <a href="#">c3op5B_</a> | Alignment | not modelled | 100.0 | 15 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase vrk1;<br><b>PDBTitle:</b> human vaccinia-related kinase 1                                                                               |
| 118 | <a href="#">d1p4oa_</a> | Alignment | not modelled | 100.0 | 15 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |
| 119 | <a href="#">c3eygA_</a> | Alignment | not modelled | 100.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> tyrosine-protein kinase;<br><b>PDBTitle:</b> crystal structures of jak1 and jak2 inhibitor complexes                                                                    |
| 120 | <a href="#">d1mp8a_</a> | Alignment | not modelled | 100.0 | 16 | <b>Fold:</b> Protein kinase-like (PK-like)<br><b>Superfamily:</b> Protein kinase-like (PK-like)<br><b>Family:</b> Protein kinases, catalytic subunit                                                                                            |