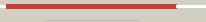
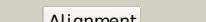


# Phyre<sup>2</sup>

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Description	P77739
Date	Thu Jan 5 12:32:23 GMT 2012
Unique Job ID	fa34a7251984815d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3jr1A_</a>			100.0	40	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative fructosamine-3-kinase; <b>PDBTitle:</b> crystal structure of putative fructosamine-3-kinase (yp_719053.1) from haemophilus somnus 129pt at 2.32 a3 resolution
2	<a href="#">c3f7wA_</a>			100.0	31	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative fructosamine-3-kinase; <b>PDBTitle:</b> crystal structure of putative fructosamine-3-kinase (yp_290396.1) from thermobifida fusca yx-er1 at 1.85 a resolution
3	<a href="#">c3ovcA_</a>			100.0	13	<b>PDB header:</b> transferase/antibiotic <b>Chain:</b> A: <b>PDB Molecule:</b> hygromycin-b 4-o-kinase; <b>PDBTitle:</b> crystal structure of aminoglycoside phosphotransferase aph(4)-ia
4	<a href="#">c3lzhA_</a>			100.0	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aph(2'')-id/aph(2'')-iva; <b>PDBTitle:</b> crystal structure of aminoglycoside phosphotransferase aph(2'')-2 id/aph(2'')-iva
5	<a href="#">c3dxpA_</a>			100.0	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acyl-coa dehydrogenase; <b>PDBTitle:</b> crystal structure of a putative aminoglycoside phosphotransferase2 (reut_a1007) from ralstonia eutropha jmp134 at 2.32 a resolution
6	<a href="#">c3hamA_</a>			100.0	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminoglycoside phosphotransferase; <b>PDBTitle:</b> structure of the gentamicin-aph(2'')-iiia complex
7	<a href="#">d2ppqa1</a>			100.0	14	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> APH phosphotransferases
8	<a href="#">d1zylal1</a>			100.0	14	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> APH phosphotransferases
9	<a href="#">c3attA_</a>			100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of rv3168 with atp
10	<a href="#">c3i0oA_</a>			100.0	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> spectinomycin phosphotransferase; <b>PDBTitle:</b> crystal structure of spectinomycin phosphotransferase,2 aph(9)-ia, in complex with adp and spectinomycin
11	<a href="#">d1j7la_</a>			100.0	14	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> APH phosphotransferases

12	<a href="#">d1nd4a_</a>			100.0	17	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> APH phosphotransferases
13	<a href="#">d2pula1</a>			99.9	15	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> APH phosphotransferases
14	<a href="#">c3mesB_</a>			99.9	11	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> choline kinase; <b>PDBTitle:</b> crystal structure of choline kinase from cryptosporidium2 parvum iowa ii, cgd3_2030
15	<a href="#">c2pywA_</a>			99.9	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> structure of a. thaliana 5-methylthioribose kinase in complex with adp2 and mtr
16	<a href="#">c3r78B_</a>			99.9	13	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> aminoglycoside 3'-phosphotransferase aph1-ia; <b>PDBTitle:</b> crystal structure of the aminoglycoside phosphotransferase aph(3')-ia,2 atp-bound
17	<a href="#">c3dxqB_</a>			99.9	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> choline/ethanolamine kinase family protein; <b>PDBTitle:</b> crystal structure of choline/ethanolamine kinase family protein2 (np_106042.1) from mesorhizobium loti at 2.55 a resolution
18	<a href="#">c3c5iD_</a>			99.9	11	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> choline kinase; <b>PDBTitle:</b> crystal structure of plasmodium knowlesi choline kinase, pkh_134520
19	<a href="#">c2q83A_</a>			99.9	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ytaa protein; <b>PDBTitle:</b> crystal structure of ytaa (2635576) from bacillus subtilis at 2.50 a2 resolution
20	<a href="#">c2ig7A_</a>			99.9	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> choline/ethanolamine kinase; <b>PDBTitle:</b> crystal structure of human choline kinase b
21	<a href="#">c1nw1A_</a>		not modelled	99.9	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> choline kinase (49.2 kd); <b>PDBTitle:</b> crystal structure of choline kinase
22	<a href="#">d1nw1A_</a>		not modelled	99.9	15	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Choline kinase
23	<a href="#">c3f2rA_</a>		not modelled	99.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> choline kinase alpha; <b>PDBTitle:</b> crystal structure of human choline kinase alpha in complex2 with hemicholinium-3
24	<a href="#">c3csvA_</a>		not modelled	99.9	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminoglycoside phosphotransferase; <b>PDBTitle:</b> crystal structure of a putative aminoglycoside phosphotransferase2 (yp_614837.1) from silicibacter sp. tm1040 at 2.15 a resolution
25	<a href="#">c2gg7A_</a>		not modelled	99.8	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ethanolamine kinase pv091845; <b>PDBTitle:</b> plasmodium vivax ethanolamine kinase pv091845
26	<a href="#">c3en9B_</a>		not modelled	99.3	22	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> o-sialoglycoprotein endopeptidase/protein kinase; <b>PDBTitle:</b> structure of the methanococcus jannaschii kae1-bud32 fusion2 protein
27	<a href="#">c2pz1A_</a>		not modelled	99.1	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable serine/threonine-protein kinase pkng; <b>PDBTitle:</b> crystal structure of protein kinase pkng from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
						<b>PDB header:</b> ribosome

28	<a href="#">c1tqmA</a>	Alignment	not modelled	98.9	21	<b>Chain:</b> A: <b>PDB Molecule:</b> conserved hypothetical protein; <b>PDBTitle:</b> crystal structure of a. fulgidus rio2 serine protein kinase bound to2 amppnp
29	<a href="#">d1zara2</a>	Alignment	not modelled	98.9	23	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> RIO1-like kinases
30	<a href="#">c3e7eA</a>	Alignment	not modelled	98.8	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mitotic checkpoint serine/threonine-protein kinase bub1; <b>PDBTitle:</b> structure and substrate recruitment of the human spindle checkpoint2 kinase bub
31	<a href="#">c2vuwA</a>	Alignment	not modelled	98.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase haspin; <b>PDBTitle:</b> structure of human haspin kinase domain
32	<a href="#">c3qa8A</a>	Alignment	not modelled	98.6	20	<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
33	<a href="#">c1ym7C</a>	Alignment	not modelled	98.5	16	<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)
34	<a href="#">c1zp9A</a>	Alignment	not modelled	98.5	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rio1 kinase; <b>PDBTitle:</b> crystal structure of full-length a.fulgidus rio1 serine kinase bound2 to atp and mn2+ ions.
35	<a href="#">c3c4yA</a>	Alignment	not modelled	98.4	19	<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
36	<a href="#">c3ckxA</a>	Alignment	not modelled	98.4	20	<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
37	<a href="#">c2acxB</a>	Alignment	not modelled	98.4	18	<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
38	<a href="#">c2fo0A</a>	Alignment	not modelled	98.4	15	<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
39	<a href="#">c3pfqA</a>	Alignment	not modelled	98.3	18	<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
40	<a href="#">c2vwiC</a>	Alignment	not modelled	98.3	16	<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
41	<a href="#">c1oplA</a>	Alignment	not modelled	98.2	15	<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
42	<a href="#">c1k9aB</a>	Alignment	not modelled	98.2	21	<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
43	<a href="#">c3fbvL</a>	Alignment	not modelled	98.2	15	<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
44	<a href="#">c3g60A</a>	Alignment	not modelled	98.2	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rop5b; <b>PDBTitle:</b> crystal structure of virulent allele rop5b pseudokinase domain bound2 to atp
45	<a href="#">c3p23B</a>	Alignment	not modelled	98.2	19	<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
46	<a href="#">c2c30A</a>	Alignment	not modelled	98.1	19	<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
47	<a href="#">c3d9vA</a>	Alignment	not modelled	98.1	19	<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
48	<a href="#">c3cokB</a>	Alignment	not modelled	98.1	17	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> serine/threonine-protein kinase plk4; <b>PDBTitle:</b> crystal structure of plk4 kinase
49	<a href="#">d1qcfa3</a>	Alignment	not modelled	98.0	19	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
50	<a href="#">c2j0kB</a>	Alignment	not modelled	98.0	12	<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.
51	<a href="#">c3dzoA</a>	Alignment	not modelled	98.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rhoptry kinase domain; <b>PDBTitle:</b> crystal structure of a rhoptry kinase from toxoplasma gondii
52	<a href="#">d1opia</a>	Alignment	not modelled	98.0	16	<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="#">c2clqA</a>	Alignment	not modelled	98.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mitogen-activated protein kinase kinase 5;

						<b>PDBTitle:</b> structure of mitogen-activated protein kinase kinase2 5
54	<a href="#">d1iasa</a>	Alignment	not modelled	97.9	16	<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="#">c2wu6A</a>	Alignment	not modelled	97.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dual specificity protein kinase clk3; <b>PDBTitle:</b> crystal structure of the human clk3 in complex with dki
56	<a href="#">c2wtkC</a>	Alignment	not modelled	97.9	17	<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-stradalpha-mo25alpha2 complex
57	<a href="#">c2j51A</a>	Alignment	not modelled	97.9	17	<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
58	<a href="#">c3soaA</a>	Alignment	not modelled	97.9	21	<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
59	<a href="#">c2buja</a>	Alignment	not modelled	97.9	18	<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
60	<a href="#">d2j4za1</a>	Alignment	not modelled	97.9	20	<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="#">c2c0ia</a>	Alignment	not modelled	97.9	17	<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
62	<a href="#">c2h8hA</a>	Alignment	not modelled	97.9	20	<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
63	<a href="#">d1yhwaa1</a>	Alignment	not modelled	97.8	21	<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="#">c2jiia</a>	Alignment	not modelled	97.8	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase vrk3 molecule: vaccinia <b>PDBTitle:</b> structure of vaccinia related kinase 3
65	<a href="#">c2y7jb</a>	Alignment	not modelled	97.8	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
66	<a href="#">c2ozoA</a>	Alignment	not modelled	97.8	22	<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
67	<a href="#">c3llta</a>	Alignment	not modelled	97.8	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine kinase-1, pfammer; <b>PDBTitle:</b> crystal structure of pf14_0431, kinase domain.
68	<a href="#">c3dfaA</a>	Alignment	not modelled	97.8	19	<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
69	<a href="#">c3q5ia</a>	Alignment	not modelled	97.8	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase; <b>PDBTitle:</b> crystal structure of pbanka_031420
70	<a href="#">c2cgva</a>	Alignment	not modelled	97.7	15	<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
71	<a href="#">c2a1ab</a>	Alignment	not modelled	97.7	17	<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
72	<a href="#">c1y57A</a>	Alignment	not modelled	97.7	21	<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
73	<a href="#">c3kvwA</a>	Alignment	not modelled	97.7	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dual specificity tyrosine-phosphorylation-regulated kinase <b>PDBTitle:</b> crystal structure of dual-specificity tyrosine phosphorylation2 regulated kinase 2 (dyrk2) in complex with an indirubin ligand
74	<a href="#">c2wtkB</a>	Alignment	not modelled	97.7	18	<b>PDB header:</b> transferase/metal-binding protein <b>Chain:</b> B: <b>PDB Molecule:</b> ste20-related kinase adapter protein alpha; <b>PDBTitle:</b> structure of the heterotrimeric lkb1-stradalpha-mo25alpha2 complex
75	<a href="#">c2qg5D</a>	Alignment	not modelled	97.7	18	<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
76	<a href="#">d1o6ya</a>	Alignment	not modelled	97.7	20	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
77	<a href="#">c2bmcD</a>	Alignment	not modelled	97.7	22	<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

78	<a href="#">c2wqmA</a>	Alignment	not modelled	97.6	17	<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
79	<a href="#">c2vd5A</a>	Alignment	not modelled	97.6	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 bisindolylmaleimide inhibitor bim viii
80	<a href="#">c3byvA</a>	Alignment	not modelled	97.6	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rhoptry kinase; <b>PDBTitle:</b> crystal structure of toxoplasma gondii specific rhoptry2 antigen kinase domain
81	<a href="#">d1qpcA</a>	Alignment	not modelled	97.6	19	<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="#">c2zv2A</a>	Alignment	not modelled	97.6	17	<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
83	<a href="#">d1phka</a>	Alignment	not modelled	97.6	18	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
84	<a href="#">c2chlA</a>	Alignment	not modelled	97.6	20	<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
85	<a href="#">d1fmka3</a>	Alignment	not modelled	97.6	17	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
86	<a href="#">c1mruB</a>	Alignment	not modelled	97.5	19	<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.
87	<a href="#">c2hakH</a>	Alignment	not modelled	97.5	20	<b>PDB header:</b> signaling protein,transferase <b>Chain:</b> H: <b>PDB Molecule:</b> serine/threonine-protein kinase mark1; <b>PDBTitle:</b> catalytic and ubiquitin-associated domains of mark1/part 1
88	<a href="#">c2qluA</a>	Alignment	not modelled	97.5	14	<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
89	<a href="#">d1omwa3</a>	Alignment	not modelled	97.5	17	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
90	<a href="#">d1nvra</a>	Alignment	not modelled	97.5	16	<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="#">c3is5E</a>	Alignment	not modelled	97.5	20	<b>PDB header:</b> transferase <b>Chain:</b> E: <b>PDB Molecule:</b> calcium-dependent protein kinase; <b>PDBTitle:</b> crystal structure of cdkp kinase domain from toxoplasma gondii,2 tgme49_018720
92	<a href="#">c3zzwA</a>	Alignment	not modelled	97.4	15	<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
93	<a href="#">c2ivsA</a>	Alignment	not modelled	97.4	16	<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
94	<a href="#">c1koaA</a>	Alignment	not modelled	97.4	14	<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
95	<a href="#">c2r7bA</a>	Alignment	not modelled	97.3	18	<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
96	<a href="#">c1rzA</a>	Alignment	not modelled	97.3	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein kinase c, iota; <b>PDBTitle:</b> crystal structure of the catalytic domain of atypical2 protein kinase c-iota
97	<a href="#">c3g0eA</a>	Alignment	not modelled	97.3	14	<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
98	<a href="#">c3lijA</a>	Alignment	not modelled	97.3	21	<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 cpcdpk3 (cgd5_820) in2 complex with ca2+ and amppnp
99	<a href="#">d1lufa</a>	Alignment	not modelled	97.3	20	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
100	<a href="#">c1lufA</a>	Alignment	not modelled	97.3	20	<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
101	<a href="#">c3hztA</a>	Alignment	not modelled	97.3	17	<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 cdkp3, tgme49_105860
102	<a href="#">d2jfla1</a>	Alignment	not modelled	97.3	19	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like)

						<b>Family:</b> Protein kinases, catalytic subunit
103	<a href="#">c2pvfA_</a>	Alignment	not modelled	97.3	12	<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 fgf2 receptor 2 (fgfr2) kinase domain in complex with atp3 analog and substrate peptide
104	<a href="#">c2a27B_</a>	Alignment	not modelled	97.2	18	<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
105	<a href="#">c3dpkA_</a>	Alignment	not modelled	97.2	15	<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
106	<a href="#">c2x7fA_</a>	Alignment	not modelled	97.2	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> traf2 and nck-interacting protein kinase; <b>PDBTitle:</b> crystal structure of the kinase domain of human traf2-and2 nck-interacting kinase with wee1chk1 inhibitor
107	<a href="#">c3begA_</a>	Alignment	not modelled	97.1	15	<b>PDB header:</b> transferase/splicing <b>Chain:</b> A: <b>PDB Molecule:</b> serine/threonine-protein kinase srpk1; <b>PDBTitle:</b> crystal structure of sr protein kinase 1 complexed to its substrate2 asf/sf2
108	<a href="#">d2psqa1</a>	Alignment	not modelled	97.1	16	<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="#">c2psqA_</a>	Alignment	not modelled	97.1	16	<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
110	<a href="#">c3h9rA_</a>	Alignment	not modelled	97.1	16	<b>PDB header:</b> isomerase/protein kinase <b>Chain:</b> A: <b>PDB Molecule:</b> activin receptor type-1; <b>PDBTitle:</b> crystal structure of the kinase domain of type i activin receptor2 (acrv1) in complex with fkbp12 and dorsomorphin
111	<a href="#">d1csna_</a>	Alignment	not modelled	97.0	22	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
112	<a href="#">c3eygA_</a>	Alignment	not modelled	97.0	18	<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
113	<a href="#">d1ckia_</a>	Alignment	not modelled	97.0	22	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
114	<a href="#">d1uu3a_</a>	Alignment	not modelled	97.0	19	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
115	<a href="#">c2i0eB_</a>	Alignment	not modelled	97.0	19	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> protein kinase c-beta ii; <b>PDBTitle:</b> structure of catalytic domain of human protein kinase c2 beta ii complexed with a bisindolylmaleimide inhibitor
116	<a href="#">c2zmcA_</a>	Alignment	not modelled	97.0	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dual specificity protein kinase ttk; <b>PDBTitle:</b> crystal structure of human mitotic checkpoint kinase mps1 catalytic2 domain apo form
117	<a href="#">d1sm2a_</a>	Alignment	not modelled	97.0	17	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit
118	<a href="#">d1fgka_</a>	Alignment	not modelled	97.0	14	<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="#">d1u59a_</a>	Alignment	not modelled	96.9	23	<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="#">d1k2pa_</a>	Alignment	not modelled	96.9	15	<b>Fold:</b> Protein kinase-like (PK-like) <b>Superfamily:</b> Protein kinase-like (PK-like) <b>Family:</b> Protein kinases, catalytic subunit