




















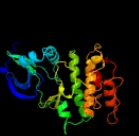


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2914c_(pknl)_3221777_3223534
Date	Thu Aug 8 16:20:07 BST 2019
Unique Job ID	26e89bfeaa690ae5

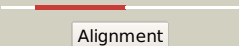
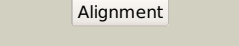
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5ebzF_	 Alignment		100.0	23	PDB header: transferase/transferase inhibitor Chain: F: PDB Molecule: inhibitor of nuclear factor kappa-b kinase subunit alpha; PDBTitle: crystal structure of human ikk1
2	c2pziA_	 Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: probable serine/threonine-protein kinase pkng; PDBTitle: crystal structure of protein kinase pkng from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
3	c4im2A_	 Alignment		100.0	20	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1
4	c3qa8H_	 Alignment		100.0	22	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
5	c3qa8A_	 Alignment		100.0	22	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
6	c4wnkA_	 Alignment		100.0	17	PDB header: ligase Chain: A: PDB Molecule: g protein-coupled receptor kinase 5; PDBTitle: crystal structure of bovine g protein coupled-receptor kinase 5 in2 complex with ccg215022
7	c3nyoB_	 Alignment		100.0	21	PDB header: transferase Chain: B: PDB Molecule: g protein-coupled receptor kinase 6; PDBTitle: crystal structure of g protein-coupled receptor kinase 6 in complex2 with amp
8	c4yhjA_	 Alignment		100.0	16	PDB header: transferase Chain: A: PDB Molecule: g protein-coupled receptor kinase 4; PDBTitle: structure and function of the hypertension variant a486v of g protein-2 coupled receptor kinase 4 (grk4)
9	c3pfqA_	 Alignment		100.0	23	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
10	c2acxB_	 Alignment		100.0	21	PDB header: transferase Chain: B: PDB Molecule: g protein-coupled receptor kinase 6; PDBTitle: crystal structure of g protein coupled receptor kinase 6 bound to2 amppnp
11	c1ym7C_	 Alignment		100.0	22	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)

12	c3c4wB_	Alignment		100.0	24	PDB header: transferase Chain: B: PDB Molecule: rhodopsin kinase; PDBTitle: crystal structure of g protein coupled receptor kinase 1 bound to atp2 and magnesium chloride at 2.7a
13	c3c4yA_	Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: rhodopsin kinase; PDBTitle: crystal structure of apo form of g protein coupled receptor kinase 12 at 7.51a
14	c1koaA_	Alignment		100.0	20	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
15	c5nclA_	Alignment		100.0	22	PDB header: signaling protein Chain: A: PDB Molecule: serine/threonine-protein kinase cbk1; PDBTitle: crystal structure of the cbk1-mob2 kinase-coactivator complex with an2 ssd1 peptide
16	c4wb7B_	Alignment		100.0	22	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: dnaj homolog subfamily b member 1,camp-dependent protein PDBTitle: crystal structure of a chimeric fusion of human dnaj (hsp40) and camp-2 dependent protein kinase a (catalytic alpha subunit)
17	c2fo0A_	Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase abl1 (1b isoform); PDBTitle: organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
18	c4i6hA_	Alignment		100.0	22	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase plk2; PDBTitle: selective & brain-permeable polo-like kinase-2 (plk-2) inhibitors that2 reduce alpha-synuclein phosphorylation in rat brain
19	c5uuuA_	Alignment		100.0	21	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: design, synthesis, and evaluation of the first selective and potent g-2 protein-coupled receptor kinase 2 (grk2) inhibitor for the potential3 treatment of heart failure
20	c4czuC_	Alignment		100.0	23	PDB header: transferase Chain: C: PDB Molecule: cbl-interacting serine/threonine-protein kinase 23; PDBTitle: crystal structure of the kinase domain of cipk23 t190d mutant
21	c6c9dB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase mark1,serine/threonine- PDBTitle: crystal structure of ka1-autoinhibited mark1 kinase
22	c4myiA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: cgmp-dependent protein kinase, putative; PDBTitle: crystal structure of pvx_084705
23	c4c0tA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: likely protein kinase; PDBTitle: candida albicans pkh kinase domain
24	c3soaA_	Alignment	not modelled	100.0	22	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
25	c3tkuB_	Alignment	not modelled	100.0	23	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
26	c1oplA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
27	c4cfhA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: 5'-amp-activated protein kinase catalytic subunit alpha-1; PDBTitle: structure of an active form of mammalian ampk
28	c5hmvA_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: ppka n terminal; PDBTitle: crystal structure of ppka
						PDB header: transferase

29	c3q5IA_	Alignment	not modelled	100.0	19	Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
30	c4eqmE_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: E: PDB Molecule: protein kinase; PDBTitle: structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
31	c5dfzB_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase vps15; PDBTitle: structure of vps34 complex ii from s. cerevisiae.
32	c4eutA_	Alignment	not modelled	100.0	20	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of bx-795 complexed with unphosphorylated human tbk1 kinase-2 uld domain
33	c4x3fA_	Alignment	not modelled	100.0	29	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pkna; PDBTitle: crystal structure of the intracellular domain of the m. tuberculosis2 ser/thr kinase pkna
34	c4y93A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: non-specific protein-tyrosine kinase,non-specific protein- PDBTitle: crystal structure of the ph-th-kinase construct of bruton's tyrosine2 kinase (btk)
35	c4b6IA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase plk3; PDBTitle: discovery of oral polo-like kinase (plk) inhibitors with enhanced2 selectivity profile using residue targeted drug design
36	d2j4za1	Alignment	not modelled	100.0	24	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
37	c4xi2A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: crystal structure of an auto-inhibited form of bruton's tryrosine2 kinase
38	c2c30A_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
39	c6eqiC_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase pink1, putative; PDBTitle: structure of pink1 bound to ubiquitin
40	c3ckxA_	Alignment	not modelled	100.0	28	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase 24; PDBTitle: crystal structure of sterile 20-like kinase 3 (mst3, stk24) in complex2 with staurosporine
41	c1mruB_	Alignment	not modelled	100.0	30	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of mycobacterium2 tuberculosis pknb.
42	c2vwiC_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
43	c4fijA_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
44	c1k9aB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: carboxyl-terminal src kinase; PDBTitle: crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
45	c5oatF_	Alignment	not modelled	100.0	19	PDB header: kinase Chain: F: PDB Molecule: serine/threonine-protein kinase pink1, mitochondrial-like PDBTitle: pink1 structure
46	c4fieB_	Alignment	not modelled	100.0	24	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
47	c2j0kB_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: focal adhesion kinase 1; PDBTitle: crystal structure of a fragment of focal adhesion kinase containing2 the ferm and kinase domains.
48	c2bmcD_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
49	c2h8hA_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
50	c2ozoA_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
51	d1o6ya_	Alignment	not modelled	100.0	31	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
52	c6ccfB_	Alignment	not modelled	100.0	22	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase kinase 1; PDBTitle: crystal structure of the human camkk1a in complex with hesperadin
53	c4wnoA_	Alignment	not modelled	100.0	25	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase ulk1; PDBTitle: structure of ulk1 bound to an inhibitor
54	c4dn5A_	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik) PDB header: transferase

55	c4f2A	Alignment	not modelled	100.0	18	Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
56	c1y57A	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
57	c2jamB	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: calcium/calmodulin-dependent protein kinase type 1g; PDBTitle: crystal structure of human calmodulin-dependent protein kinase i g
58	c4y83B	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase B; PDBTitle: crystal structure of cot kinase domain in complex with 5-(2-amino-5-2 (quinolin-3-yl)pyridin-3-yl)-1,3,4-oxadiazole-2(3h)-thione
59	c3d9vA	Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: rho-associated protein kinase 1; PDBTitle: crystal structure of rock i bound to h-1152p a di-2 methylated variant of fasudil
60	c5jzjB	Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase dclk1; PDBTitle: crystal structure of dclk1-kd in complex with amppn
61	c4btfA	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: mixed lineage kinase domain-like protein; PDBTitle: structure of mlkl
62	c5m07B	Alignment	not modelled	100.0	100	PDB header: signaling protein Chain: B: PDB Molecule: serine/threonine-protein kinase pkn1; PDBTitle: crystal structure of mycobacterium tuberculosis pkn1 kinase domain,2 c20a mutant
63	c6fdzU	Alignment	not modelled	100.0	25	PDB header: transferase Chain: U: PDB Molecule: serine/threonine-protein kinase ulk3; PDBTitle: unc-51-like kinase 3 (ulk3) in complex with momelotininb
64	c4xhgA	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: similar to uniprot p29295 saccharomyces cerevisiae ypl204w
65	c5d7vD	Alignment	not modelled	100.0	20	PDB header: transferase Chain: D: PDB Molecule: protein-tyrosine kinase 6; PDBTitle: crystal structure of ptk6 kinase domain
66	d1yhwa1	Alignment	not modelled	100.0	25	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
67	c2a27B	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: death-associated protein kinase 2; PDBTitle: human drp-1 kinase, w305s s308a d40 mutant, crystal form with 82 monomers in the asymmetric unit
68	c3lijA	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: calcium/calmodulin dependent protein kinase with PDBTitle: crystal structure of full length cpdpk3 (cgd5_820) in2 complex with ca2+ and amppnp
69	c3hztA	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
70	c2wtkC	Alignment	not modelled	100.0	21	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-strada1alpha-mo25alpha2 complex
71	d1jksa	Alignment	not modelled	100.0	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
72	c3zzwA	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
73	c2a1aB	Alignment	not modelled	100.0	21	PDB header: protein synthesis/transferase Chain: B: PDB Molecule: interferon-induced, double-stranded rna-activated protein PDBTitle: pkr kinase domain-eif2alpha complex
74	c2wtkB	Alignment	not modelled	100.0	20	PDB header: transferase/metal-binding protein Chain: B: PDB Molecule: ste20-related kinase adapter protein alpha; PDBTitle: structure of the heterotrimeric lkb1-strada1alpha-mo25alpha2 complex
75	d1qcfa3	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
76	c4cdaA	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine kinase as - a common ancestor of src and abl; PDBTitle: tyrosine kinase as - a common ancestor of src and abl
77	c2c0iA	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
78	c2qg5D	Alignment	not modelled	100.0	24	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
79	c3dfaA	Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase cgd3_920; PDBTitle: crystal structure of kinase domain of calcium-dependent protein kinase2 cgd3_920 from cryptosporidium parvum

80	c5x3fB	 Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: zpa963,camp-dependent protein kinase catalytic subunit PDBTitle: crystal structure of the ygjg-protein a-zpa963-pka catalytic domain
81	d1phka	 Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
82	c4lqsA	 Alignment	not modelled	100.0	22	PDB header: transferase/transferase activator Chain: A: PDB Molecule: serine/threonine-protein kinase cbk1; PDBTitle: crystal structure of the cbk1-mob2 kinase-coactivator complex
83	c4ci6B	 Alignment	not modelled	100.0	17	PDB header: transferase/structural protein Chain: B: PDB Molecule: protein kinase yopo; PDBTitle: mechanisms of crippling actin-dependent phagocytosis by yopo
84	c6jkmA	 Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: mitotic checkpoint control protein kinase bub1; PDBTitle: crystal structure of bubr1 kinase domain
85	c1xjdA	 Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
86	d1xjda	 Alignment	not modelled	100.0	20	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
87	c4mvfA	 Alignment	not modelled	100.0	22	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium-dependent protein kinase 2; PDBTitle: crystal structure of plasmodium falciparum cdpk2 complexed with2 inhibitor staurosporine
88	c2ya9A	 Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: death-associated protein kinase 2; PDBTitle: crystal structure of the autoinhibited form of mouse dapk2
89	c2j51A	 Alignment	not modelled	100.0	25	PDB header: transferase Chain: A: PDB Molecule: ste20-like serine/threonine-protein kinase; PDBTitle: 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
90	d1opja	 Alignment	not modelled	100.0	20	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
91	c2y7jB	 Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, testis/liver PDBTitle: structure of human phosphorylase kinase, gamma 2
92	c2bujA	 Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase 16; PDBTitle: crystal structure of the human serine-threonine kinase 16 in complex2 with staurosporine
93	d1kooa2	 Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
94	c2rsvA	 Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase vrk1; PDBTitle: solution structure of human full-length vaccinia related kinase 12 (vrk1)
95	c2vd5A	 Alignment	not modelled	100.0	24	PDB header: transferase Chain: A: PDB Molecule: dmpk protein; PDBTitle: structure of human myotonic dystrophy protein kinase in2 complex with the bisindolmaleide inhibitor bim viii
96	c5ig1A	 Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: camk/camk2 protein kinase; PDBTitle: crystal structure of s. rosetta camkii kinase domain
97	c6cqdB	 Alignment	not modelled	100.0	28	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase 1; PDBTitle: crystal structure of hpk1 in complex with atp analogue (amppnp)
98	d1o6la	 Alignment	not modelled	100.0	22	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
99	d2jfla1	 Alignment	not modelled	100.0	26	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
100	c4qfrA	 Alignment	not modelled	100.0	21	PDB header: signaling protein/inhibitor/activator Chain: A: PDB Molecule: 5'-amp-activated protein kinase catalytic subunit alpha-1; PDBTitle: structure of ampk in complex with cl-a769662 activator and2 staurosporine inhibitor
101	c2bdwB	 Alignment	not modelled	100.0	22	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein k11e8.1d; PDBTitle: crystal structure of the auto-inhibited kinase domain of2 calcium/calmodulin activated kinase ii
102	c2wqmA	 Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase nek7; PDBTitle: structure of apo human nek7
103	c3p23B	 Alignment	not modelled	100.0	19	PDB header: hydrolase, transferase Chain: B: PDB Molecule: serine/threonine-protein kinase/endoribonuclease ire1; PDBTitle: crystal structure of the human kinase and rnase domains in complex2 with adp
104	c2r7bA	 Alignment	not modelled	100.0	21	PDB header: signaling protein, transferase Chain: A: PDB Molecule: phosphoinositide-dependent protein kinase 1; PDBTitle: crystal structure of the phosphoinositide-dependent

						kinase-2 1 (pdk-1)catalytic domain bound to a dibenzonaphthridine3 inhibitor
105	c4qliA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: non-receptor tyrosine-protein kinase tyk2; PDBTitle: the pseudokinase/kinase protein from jak-family member tyk2
106	c4lqdB_	Alignment	not modelled	100.0	24	PDB header: signaling protein Chain: B: PDB Molecule: serine/threonine-protein kinase 3; PDBTitle: structural basis for autoactivation of human mst2 kinase and its2 regulation by rassf5
107	c5j5tA_	Alignment	not modelled	100.0	28	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase kinase 3; PDBTitle: glk co-crystal structure with aminopyrrolopyrimidine inhibitor
108	c1kobB_	Alignment	not modelled	100.0	18	PDB header: kinase Chain: B: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
109	d1koba_	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
110	d1qpca_	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
111	c2cgvA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase chk1; PDBTitle: identification of chemically diverse chk1 inhibitors by2 receptor-based virtual screening
112	c2ivsA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase receptor ret; PDBTitle: crystal structure of non-phosphorylated ret tyrosine kinase domain
113	d1uu3a_	Alignment	not modelled	100.0	21	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
114	c2clqA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: structure of mitogen-activated protein kinase kinase kinase 5
115	c3q60A_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: rop5b; PDBTitle: crystal structure of virulent allele rop5b pseudokinase domain bound2 to atp
116	c2h6dA_	Alignment	not modelled	100.0	22	PDB header: signaling protein,transferase Chain: A: PDB Molecule: 5'-amp-activated protein kinase catalytic subunit alpha-2; PDBTitle: protein kinase domain of the human 5'-amp-activated protein kinase2 catalytic subunit alpha-2 (ampk alpha-2 chain)
117	c3cb1A_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
118	c5o0yA_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase tousled-like 2; PDBTitle: tlk2 kinase domain from human
119	c1lufA_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: A: PDB Molecule: muscle-specific tyrosine kinase receptor musk; PDBTitle: crystal structure of the musk tyrosine kinase: insights into receptor2 autoregulation
120	d1lufa_	Alignment	not modelled	100.0	23	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit