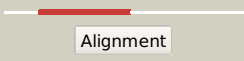

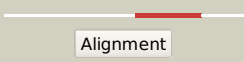

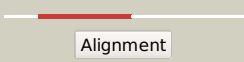

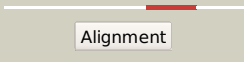

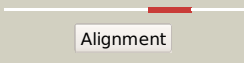

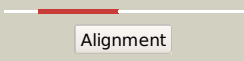

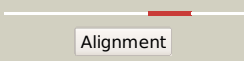

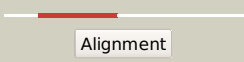

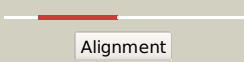

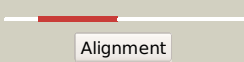

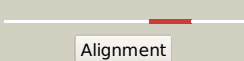



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3910 (-)_4396775_4400329
Date	Sat Aug 10 22:05:09 BST 2019
Unique Job ID	9d3cdf4924474e0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6cc4A_	 Alignment		100.0	25	PDB header: transport protein Chain: A: PDB Molecule: soluble cytochrome b562, lipid ii flippase murj chimera; PDBTitle: structure of murj from escherichia coli
2	c2pziA_	 Alignment		100.0	16	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	c5t77A_	 Alignment		100.0	20	PDB header: transport protein Chain: A: PDB Molecule: putative lipid ii flippase murj; PDBTitle: crystal structure of the mop flippase murj
4	c3otvC_	 Alignment		100.0	100	PDB header: transferase Chain: C: PDB Molecule: probable conserved transmembrane protein; PDBTitle: crystal structure of the intracellular domain of rv3910 from2 mycobacterium tuberculosis
5	c5ebzF_	 Alignment		100.0	11	PDB header: transferase/transferase inhibitor Chain: F: PDB Molecule: inhibitor of nuclear factor kappa-b kinase subunit alpha; PDBTitle: crystal structure of human ikk1
6	c6idrA_	 Alignment		100.0	12	PDB header: transport protein Chain: A: PDB Molecule: mate family efflux transporter; PDBTitle: crystal structure of vibrio cholerae mate transporter vcmn in the bent2 form
7	c4im2A_	 Alignment		100.0	13	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1
8	c5y50A_	 Alignment		100.0	11	PDB header: membrane protein Chain: A: PDB Molecule: protein detoxification 14; PDBTitle: crystal structure of eukaryotic mate transporter atdtx14
9	c5xjiA_	 Alignment		100.0	12	PDB header: transport protein Chain: A: PDB Molecule: multi drug efflux transporter; PDBTitle: crystal structure of a mate family protein
10	c3mkuA_	 Alignment		100.0	11	PDB header: transport protein Chain: A: PDB Molecule: multi antimicrobial extrusion protein (na+)/drug PDBTitle: structure of a cation-bound multidrug and toxin compound extrusion2 (mate) transporter
11	c3qa8H_	 Alignment		100.0	10	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta

12	c4z3pA_	Alignment		100.0	15	PDB header: transport protein Chain: A: PDB Molecule: putative drug/sodium antiporter; PDBTitle: mate transporter clbm in complex with rb+
13	c3qa8A_	Alignment		100.0	11	PDB header: immune system, signaling protein Chain: A: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
14	c3mkuB_	Alignment		100.0	11	PDB header: transport protein Chain: B: PDB Molecule: multi antimicrobial extrusion protein (na(+))/drug PDBTitle: structure of a cation-bound multidrug and toxin compound extrusion2 (mate) transporter
15	c4i6hA_	Alignment		100.0	10	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
16	c3nyoB_	Alignment		100.0	13	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
17	c4eqmE_	Alignment		100.0	20	PDB header: transferase Chain: E: PDB Molecule: protein kinase; PDBTitle: structural analysis of staphylococcus aureus serine/threonine kinase2 pknb
18	c6c9dB_	Alignment		100.0	18	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase mark1,serine/threonine- PDBTitle: crystal structure of ka1-autoinhibited mark1 kinase
19	c4czuC_	Alignment		100.0	19	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
20	c1koaA_	Alignment		100.0	15	PDB header: kinase Chain: A: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (c.elegans), autoregulated protein2 kinase and immunoglobulin domains
21	c2acxB_	Alignment	not modelled	100.0	13	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
22	c3pfqA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
23	c1mruB_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: probable serine/threonine-protein kinase pknb; PDBTitle: intracellular ser/thr protein kinase domain of mycobacterium2 tuberculosis pknb.
24	c4cfhA_	Alignment	not modelled	100.0	21	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 PDB header: ligase
25	c4wnkA_	Alignment	not modelled	100.0	11	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
26	c1ym7C_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
27	c4yhjA_	Alignment	not modelled	100.0	12	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)
28	c5hnvA_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: ppka n terminal; PDBTitle: crystal structure of ppka

29	d1o6ya_	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
30	c4wb7B_	Alignment	not modelled	100.0	13	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)
31	c3ckxA_	Alignment	not modelled	100.0	16	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
32	c2c30A_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 6; PDBTitle: crystal structure of the human p21-activated kinase 6
33	c3c4yA_	Alignment	not modelled	100.0	14	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
34	c3c4wB_	Alignment	not modelled	100.0	15	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
35	c4b6IA_	Alignment	not modelled	100.0	14	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	c5dfzB_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase vps15; PDBTitle: structure of vps34 complex ii from s. cerevisiae.
37	c2vwiC_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
38	c4c0tA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: likely protein kinase; PDBTitle: candida albicans pkh kinase domain
39	c4x3fA_	Alignment	not modelled	100.0	23	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
40	c2fo0A_	Alignment	not modelled	100.0	16	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
41	c2jamB_	Alignment	not modelled	100.0	14	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
42	c3tkuB_	Alignment	not modelled	100.0	14	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
43	c4fieB_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: full-length human pak4
44	c4fijA_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase pak 4; PDBTitle: catalytic domain of human pak4
45	c3hztA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: calcium-dependent protein kinase 3; PDBTitle: crystal structure of toxoplasma gondii cdpk3, tgme49_105860
46	c6ccfB_	Alignment	not modelled	100.0	17	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
47	c5uuuA_	Alignment	not modelled	100.0	14	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
48	c3q5IA_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: protein kinase; PDBTitle: crystal structure of pbanka_031420
49	c1oplA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
50	c3soaA_	Alignment	not modelled	100.0	17	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
51	d2j4za1	Alignment	not modelled	100.0	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
52	c4dn5A_	Alignment	not modelled	100.0	12	PDB header: transferase Chain: A: PDB Molecule: mitogen-activated protein kinase kinase kinase 14; PDBTitle: crystal structure of nf-kb-inducing kinase (nik)
53	c5nclA_	Alignment	not modelled	100.0	16	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

54	c4mvfA	Alignment	not modelled	100.0	14	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
55	d1yhwa1	Alignment	not modelled	100.0	18	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
56	c2j51A	Alignment	not modelled	100.0	14	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
57	c6fdzU	Alignment	not modelled	100.0	18	PDB header: transferase Chain: U: PDB Molecule: serine/threonine-protein kinase ulk3; PDBTitle: unc-51-like kinase 3 (ulk3) in complex with momelotinib
58	c3vvpA	Alignment	not modelled	100.0	15	PDB header: transport protein Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of mate in complex with br-nrf
59	c2wtkC	Alignment	not modelled	100.0	16	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-stradaalpha-mo25alpha2 complex
60	d1phka	Alignment	not modelled	100.0	16	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
61	c2j0kB	Alignment	not modelled	100.0	17	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.
62	c1xjdA	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: protein kinase c, theta type; PDBTitle: crystal structure of pkc-theta complexed with staurosporine2 at 2a resolution
63	d1xjda	Alignment	not modelled	100.0	16	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
64	c5oatF	Alignment	not modelled	100.0	15	PDB header: kinase Chain: F: PDB Molecule: serine/threonine-protein kinase pink1, mitochondrial-like PDBTitle: pink1 structure
65	c2bmcD	Alignment	not modelled	100.0	14	PDB header: transferase Chain: D: PDB Molecule: serine threonine-protein kinase 6; PDBTitle: aurora-2 t287d t288d complexed with pha-680632
66	c2wtkB	Alignment	not modelled	100.0	15	PDB header: transferase/metal-binding protein Chain: B: PDB Molecule: ste20-related kinase adapter protein alpha; PDBTitle: structure of the heterotrimeric lkb1-stradaalpha-mo25alpha2 complex
67	c3d9vA	Alignment	not modelled	100.0	15	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
68	c2wqmA	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase nek7; PDBTitle: structure of apo human nek7
69	c4y93A	Alignment	not modelled	100.0	10	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)
70	c2qg5D	Alignment	not modelled	100.0	20	PDB header: transferase Chain: D: PDB Molecule: calcium/calmodulin-dependent protein kinase; PDBTitle: cryptosporidium parvum calcium dependent protein kinase cgd7_1840
71	d1jksa	Alignment	not modelled	100.0	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
72	c2y7jB	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, testis/liver PDBTitle: structure of human phosphorylase kinase, gamma 2
73	c3dfaA	Alignment	not modelled	100.0	16	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
74	c4xi2A	Alignment	not modelled	100.0	11	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: crystal structure of an auto-inhibited form of bruton's tyrosine2 kinase
75	c4cdaA	Alignment	not modelled	100.0	15	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
76	c2ozoA	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
77	c4myiA	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: cgmp-dependent protein kinase, putative; PDBTitle: crystal structure of pvx_084705
78	c2a27B	Alignment	not modelled	100.0	15	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
						PDB header: transferase/transferase inhibitor

79	c4wnoA_	Alignment	not modelled	100.0	17	Chain: A: PDB Molecule: serine/threonine-protein kinase ulk1; PDBTitle: structure of ulk1 bound to an inhibitor
80	c5x3fB_	Alignment	not modelled	100.0	13	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	c5d7vD_	Alignment	not modelled	100.0	12	PDB header: transferase Chain: D: PDB Molecule: protein-tyrosine kinase 6; PDBTitle: crystal structure of ptk6 kinase domain
82	c5dvtA_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: calmodulin-domain protein kinase 1; PDBTitle: crystal structure of tgcdpk1 from toxoplasma gondii complexed with 5gb
83	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)
84	c6eqiC_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase pink1, putative; PDBTitle: structure of pink1 bound to ubiquitin
85	d2jfla1	Alignment	not modelled	100.0	14	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
86	c3cokB_	Alignment	not modelled	100.0	12	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase plk4; PDBTitle: crystal structure of plk4 kinase
87	c3lijA_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: calcium/calmodulin dependent protein kinase with PDBTitle: crystal structure of full length cpdck3 (cgd5_820) in2 complex with ca2+ and amppnp
88	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
89	c6fv6A_	Alignment	not modelled	100.0	11	PDB header: membrane protein Chain: A: PDB Molecule: aq128; PDBTitle: monomer structure of the mate family multidrug resistance transporter2 aq_128 from aquifex aeolicus in the outward-facing state
90	c4y83B_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase 8; 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
91	c1k9aB_	Alignment	not modelled	100.0	17	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
92	c5jzjB_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase dclk1; PDBTitle: crystal structure of dclk1-kd in complex with amppnp
93	c4btfA_	Alignment	not modelled	100.0	12	PDB header: transferase Chain: A: PDB Molecule: mixed lineage kinase domain-like protein; PDBTitle: structure of mlk1
94	c3q60A_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: rop5b; PDBTitle: crystal structure of virulent allele rop5b pseudokinase domain bound2 to atp
95	c3zzwA_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase transmembrane receptor ror2; PDBTitle: crystal structure of the kinase domain of ror2
96	c2r7bA_	Alignment	not modelled	100.0	13	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
97	d1opja_	Alignment	not modelled	100.0	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
98	d1qcfa3	Alignment	not modelled	100.0	17	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
99	c5xzvB_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase rad53; PDBTitle: crystal structure of rad53 1-466 in complex with amp-pnp
100	c4eutA_	Alignment	not modelled	100.0	14	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
101	c6cqdB_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase kinase 1; PDBTitle: crystal structure of hpk1 in complex with atp analogue (amppnp)
102	c2h8hA_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
						PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein

103	c2zv2A_	Alignment	not modelled	100.0	17	kinase kinase 2; PDBTitle: crystal structure of human calcium/calmodulin-dependent protein kinase2 kinase 2, beta, camkk2 kinase domain in complex with sto-609
104	d1koba_	Alignment	not modelled	100.0	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
105	d1koaa2	Alignment	not modelled	100.0	14	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
106	c3is5E_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: E: PDB Molecule: calcium-dependent protein kinase; PDBTitle: crystal structure of cdkp kinase domain from toxoplasma gondii,2 tgme49_018720
107	c5ig1A_	Alignment	not modelled	100.0	14	PDB header: transferase Chain: A: PDB Molecule: camk/camk2 protein kinase; PDBTitle: crystal structure of s. rosetta camkii kinase domain
108	c2vz6A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: calcium calmodulin dependent protein kinase type ii alpha PDBTitle: structure of human calcium calmodulin dependent protein kinase type ii2 alpha (camk2a) in complex with indirubin e804
109	c4fl2A_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
110	c4ci6B_	Alignment	not modelled	100.0	12	PDB header: transferase/structural protein Chain: B: PDB Molecule: protein kinase yopo; PDBTitle: mechanisms of crippling actin-dependent phagocytosis by yopo
111	d1uu3a_	Alignment	not modelled	100.0	13	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
112	c3vw6B_	Alignment	not modelled	100.0	13	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: mitogen-activated protein kinase kinase kinase 5; PDBTitle: crystal structure of human apoptosis signal-regulating kinase 1 (ask1)2 with imidazopyridine inhibitor
113	d1uwha_	Alignment	not modelled	100.0	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
114	c5j5tA_	Alignment	not modelled	100.0	14	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
115	c1kobB_	Alignment	not modelled	100.0	17	PDB header: kinase Chain: B: PDB Molecule: twitchin; PDBTitle: twitchin kinase fragment (aplysia), autoregulated protein2 kinase domain
116	c1y57A_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
117	d1gzka_	Alignment	not modelled	100.0	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
118	c4lqdB_	Alignment	not modelled	100.0	15	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
119	c4xhgA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: similar to uniprot p29295 saccharomyces cerevisiae ypl204w
120	c5o0yA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase tousled-like 2; PDBTitle: tlk2 kinase domain from human