

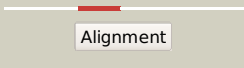

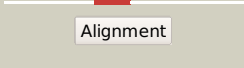

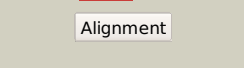

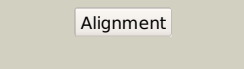

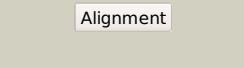

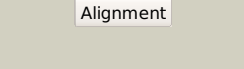

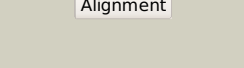

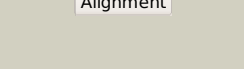

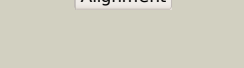

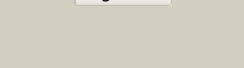

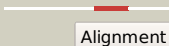



















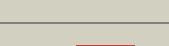
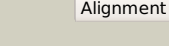
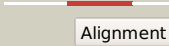





Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0585c_(-) _681888_684275
Date	Fri Jul 26 01:50:14 BST 2019
Unique Job ID	71ac24f0c4bc7f9a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3en9B_			98.7	13	PDB header: hydrolase Chain: B: PDB Molecule: o-sialoglycoprotein endopeptidase/protein kinase; PDBTitle: structure of the methanococcus jannaschii kae1-bud32 fusion2 protein
2	c6g51v_			98.1	11	PDB header: ribosome Chain: V: PDB Molecule: 40s ribosomal protein s21; PDBTitle: cryo-em structure of a late human pre-40s ribosomal subunit - state d
3	c6fdnA_			97.9	11	PDB header: nuclear protein Chain: A: PDB Molecule: serine/threonine-protein kinase rio2; PDBTitle: rio2 structure
4	d1zara2			97.8	15	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: RIO1-like kinases
5	c4azwA_			97.7	15	PDB header: transferase Chain: A: PDB Molecule: wbdd; PDBTitle: crystal structure of monomeric wbdd.
6	c1tqmA_			97.6	15	PDB header: ribosome Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: crystal structure of a. fulgidus rio2 serine protein kinase bound to2 amppnp
7	c1z9A_			97.6	16	PDB header: transferase Chain: A: PDB Molecule: rio1 kinase; PDBTitle: crystal structure of full-length a.fulgidus rio1 serine kinase bound to2 atp and mn2+ ions.
8	c4gygA_			97.5	17	PDB header: transferase Chain: A: PDB Molecule: rio2 kinase; PDBTitle: crystal structure of the rio2 kinase from chaetomium thermophilum
9	c6emlr_			97.5	10	PDB header: ribosome Chain: R: PDB Molecule: 40s ribosomal protein s2; PDBTitle: cryo-em structure of a late pre-40s ribosomal subunit from2 saccharomyces cerevisiae
10	c4otpA_			97.4	13	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase rio1; PDBTitle: crystal structure of the catalytic domain of the human riok1 atypical2 protein kinase in complex with adp/mg2+
11	c4azsA_			97.4	17	PDB header: transferase Chain: A: PDB Molecule: methyltransferase wbdd; PDBTitle: high resolution (2.2 a) crystal structure of wbdd.

12	c6dfIA_	 Alignment		97.3	14	PDB header: hydrolase Chain: A: PDB Molecule: lipopolysaccharide core heptose(i) kinase rfap; PDBTitle: waap in complex with acyl carrier protein
13	c2pziA_	 Alignment		97.2	13	PDB header: transferase Chain: A: PDB Molecule: probable serine/threonine-protein kinase pknq; PDBTitle: crystal structure of protein kinase pknq from mycobacterium2 tuberculosis in complex with tetrahydrobenzothiophene ax20017
14	c6m7zE_	 Alignment		97.1	16	PDB header: transferase Chain: E: PDB Molecule: bradyzoite pseudokinase 1; PDBTitle: a divergent kinase lacking the glycine-rich loop regulates membrane2 ultrastructure of the toxoplasma parasitophorous vacuole
15	c4bvuA_	 Alignment		97.1	16	PDB header: transferase/ligase/protein binding Chain: A: PDB Molecule: protein kinase ospg; PDBTitle: structure of shigella effector ospg in complex with host2 ubch5c-ubiquitin conjugate
16	c4uw0A_	 Alignment		97.1	16	PDB header: transferase Chain: A: PDB Molecule: wbdd; PDBTitle: low resolution structure of wbdd with c-terminal bundle ordered to2 residue 505
17	c4o96D_	 Alignment		97.0	9	PDB header: hydrolase Chain: D: PDB Molecule: type iii effector protein kinase; PDBTitle: 2.60 angstrom resolution crystal structure of a protein kinase domain2 of type iii effector nleh2 (ecs1814) from escherichia coli o157:h73 str. sakai
18	c3ovcA_	 Alignment		97.0	17	PDB header: transferase/antibiotic Chain: A: PDB Molecule: hygromycin-b 4-o-kinase; PDBTitle: crystal structure of aminoglycoside phosphotransferase aph(4)-ia
19	d1zyla1	 Alignment		97.0	20	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: APH phosphotransferases
20	c4pedA_	 Alignment		96.9	11	PDB header: transferase Chain: A: PDB Molecule: chaperone activity of bc1 complex-like, mitochondrial; PDBTitle: mitochondrial adck3 employs an atypical protein kinase-like fold to2 enable coenzyme q biosynthes
21	c3byvA_	 Alignment	not modelled	96.9	32	PDB header: transferase Chain: A: PDB Molecule: rhoptry kinase; PDBTitle: crystal structure of toxoplasma gondii specific rhoptry2 antigen kinase domain
22	c6fucA_	 Alignment	not modelled	96.8	22	PDB header: transferase Chain: A: PDB Molecule: aminoglycoside phosphotransferase; PDBTitle: structure of aminoglycoside phosphotransferase aph(3"-id from2 streptomyces rimosus atcc10970
23	c5yk2A_	 Alignment	not modelled	96.7	10	PDB header: transport protein Chain: A: PDB Molecule: probable conserved atp-binding protein abc transporter; PDBTitle: the complex structure of rv3197-erythromycin from mycobacterium2 tuberculosis
24	c3i0oA_	 Alignment	not modelled	96.7	15	PDB header: transferase Chain: A: PDB Molecule: spectinomycin phosphotransferase; PDBTitle: crystal structure of spectinomycin phosphotransferase,2 aph(9)-ia, in complex with adp and spectinomycin
25	c5dfzB_	 Alignment	not modelled	96.7	12	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase vps15; PDBTitle: structure of vps34 complex ii from s. cerevisiae.
26	c2yleA_	 Alignment	not modelled	96.6	15	PDB header: actin-binding protein Chain: A: PDB Molecule: protein spire homolog 1; PDBTitle: crystal structure of the human spir-1 kind fsi domain in2 complex with the fsi peptide
27	c4jrnA_	 Alignment	not modelled	96.6	20	PDB header: transferase Chain: A: PDB Molecule: rhoptry kinase family protein; PDBTitle: rop18 kinase domain in complex with amp-pnp and sucrose
28	c3zdoA_	 Alignment	not modelled	96.6	33	PDB header: transferase Chain: A: PDB Molecule: rhoptry kinase domain; PDBTitle: crystal structure of a rhoptry kinase from toxoplasma gondii

29	c5nclA_	Alignment	not modelled	96.5	24	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
30	c4ww7A_	Alignment	not modelled	96.4	25	PDB header: transferase Chain: A: PDB Molecule: ekc/keops complex subunit bud32; PDBTitle: crystal structure of binary complex bud32-cgi121 in complex with amp
31	c4bwxB_	Alignment	not modelled	96.3	14	PDB header: gene regulation Chain: B: PDB Molecule: pab-dependent poly(a)-specific ribonuclease subunit pan-3; PDBTitle: structure of neurospora crassa pan3 pseudokinase mutant
32	c4ci6B_	Alignment	not modelled	96.3	17	PDB header: transferase/structural protein Chain: B: PDB Molecule: protein kinase yopo; PDBTitle: mechanisms of crippling actin-dependent phagocytosis by yopo
33	c1ym7C_	Alignment	not modelled	96.3	29	PDB header: transferase Chain: C: PDB Molecule: beta-adrenergic receptor kinase 1; PDBTitle: g protein-coupled receptor kinase 2 (grk2)
34	c4im2A_	Alignment	not modelled	96.2	25	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: serine/threonine-protein kinase tbk1; PDBTitle: structure of tank-binding kinase 1
35	c3q60A_	Alignment	not modelled	96.2	18	PDB header: transferase Chain: A: PDB Molecule: rop5b; PDBTitle: crystal structure of virulent allele rop5b pseudokinase domain bound2 to atp
36	c5uxbA_	Alignment	not modelled	96.2	18	PDB header: transferase Chain: A: PDB Molecule: macrolide 2'-phosphotransferase mpph; PDBTitle: crystal structure of macrolide 2'-phosphotransferase mpph from2 brachybacterium faecium, apoenzyme
37	c5oatF_	Alignment	not modelled	96.1	26	PDB header: kinase Chain: F: PDB Molecule: serine/threonine-protein kinase pink1, mitochondrial-like PDBTitle: pink1 structure
38	c3nyoB_	Alignment	not modelled	96.0	32	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
39	c3qa8A_	Alignment	not modelled	96.0	29	PDB header: immune system, signaling protein Chain: A: PDB Molecule: imgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
40	c3otvC_	Alignment	not modelled	95.9	11	PDB header: transferase Chain: C: PDB Molecule: probable conserved transmembrane protein; PDBTitle: crystal structure of the intracellular domain of rv3910 from2 mycobacterium tuberculosis
41	c2ckpB_	Alignment	not modelled	95.8	16	PDB header: transferase Chain: B: PDB Molecule: choline kinase alpha; PDBTitle: crystal structure of human choline kinase alpha-2 in2 complex with adp
42	c3c4wB_	Alignment	not modelled	95.8	34	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
43	d1nd4a_	Alignment	not modelled	95.8	31	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: APH phosphotransferases
44	c4wnkA_	Alignment	not modelled	95.8	32	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
45	c4yhjA_	Alignment	not modelled	95.8	29	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)
46	c5clrB_	Alignment	not modelled	95.8	21	PDB header: transferase Chain: B: PDB Molecule: legk4; PDBTitle: crystal structure of legk4_apo kinase
47	c3c4yA_	Alignment	not modelled	95.8	34	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
48	c5ckwA_	Alignment	not modelled	95.7	21	PDB header: transferase Chain: A: PDB Molecule: legk4; PDBTitle: crystal structure of legk4_amppnp kinase
49	c3mesB_	Alignment	not modelled	95.7	13	PDB header: transferase Chain: B: PDB Molecule: choline kinase; PDBTitle: crystal structure of choline kinase from cryptosporidium2 parvum iowa ii, cgd3_2030
50	c3c5iD_	Alignment	not modelled	95.7	13	PDB header: transferase Chain: D: PDB Molecule: choline kinase; PDBTitle: crystal structure of plasmodium knowlesi choline kinase, pkh_134520
51	c6eqiC_	Alignment	not modelled	95.7	36	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase pink1, putative; PDBTitle: structure of pink1 bound to ubiquitin
52	c5igrA_	Alignment	not modelled	95.6	23	PDB header: transferase/antibiotic Chain: A: PDB Molecule: macrolide 2'-phosphotransferase; PDBTitle: macrolide 2'-phosphotransferase type i - complex with gdp and2 oleandomycin
53	c4c0tA_	Alignment	not modelled	95.6	32	PDB header: transferase Chain: A: PDB Molecule: likely protein kinase; PDBTitle: candida albicans pkh kinase domain
54	c2acxB_	Alignment	not modelled	95.6	32	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
55	c4wb7B_	Alignment	not modelled	95.5	24	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)
56	c3qa8H_	Alignment	not modelled	95.5	24	PDB header: immune system, signaling protein Chain: H: PDB Molecule: mgc80376 protein; PDBTitle: crystal structure of inhibitor of kappa b kinase beta
57	c4myiA_	Alignment	not modelled	95.4	32	PDB header: transferase Chain: A: PDB Molecule: cgmp-dependent protein kinase, putative; PDBTitle: crystal structure of pvx_084705
58	c6ef6A_	Alignment	not modelled	95.4	17	PDB header: transferase Chain: A: PDB Molecule: aminoglycoside phosphotransferase; PDBTitle: structure of the microcompartment-associated aminopropanol kinase
59	c6jkmA_	Alignment	not modelled	95.4	17	PDB header: transferase Chain: A: PDB Molecule: mitotic checkpoint control protein kinase bub1; PDBTitle: crystal structure of bubr1 kinase domain
60	c4oauC_	Alignment	not modelled	95.4	24	PDB header: hydrolase/rna Chain: C: PDB Molecule: 2-5a-dependent ribonuclease; PDBTitle: complete human rnase l in complex with biological activators.
61	c5uuuA_	Alignment	not modelled	95.4	29	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
62	c4cyiH_	Alignment	not modelled	95.2	16	PDB header: transferase Chain: H: PDB Molecule: pab-dependent poly(a)-specific ribonuclease subunit pan3- PDBTitle: chaetomium thermophilum pan3
63	d2pula1	Alignment	not modelled	95.2	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: APH phosphotransferases
64	c3tkuB_	Alignment	not modelled	95.2	21	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: serine/threonine-protein kinase mrck beta; PDBTitle: mrck beta in complex with fasudil
65	d1j7la_	Alignment	not modelled	95.1	19	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: APH phosphotransferases
66	c5ebzF_	Alignment	not modelled	95.0	29	PDB header: transferase/transferase inhibitor Chain: F: PDB Molecule: inhibitor of nuclear factor kappa-b kinase subunit alpha; PDBTitle: crystal structure of human ikk1
67	c6g4jA_	Alignment	not modelled	95.0	22	PDB header: transferase Chain: A: PDB Molecule: probable serine/threonine-protein kinase yabt; PDBTitle: structure of the protein kinase yabt from bacillus subtilis in complex2 with an alpharep crystallization helper
68	c4bwpA_	Alignment	not modelled	94.9	18	PDB header: gene regulation Chain: A: PDB Molecule: pab-dependent poly(a)-specific ribonuclease subunit pan-3; PDBTitle: structure of drosophila melanogaster pan3 pseudokinase
69	c4ix5B_	Alignment	not modelled	94.7	22	PDB header: transferase Chain: B: PDB Molecule: msstt7d protein; PDBTitle: crystal structure of a stt7 homolog from micromonas algae in complex2 with amp-pnp
70	c3csvA_	Alignment	not modelled	94.6	21	PDB header: transferase Chain: A: PDB Molecule: aminoglycoside phosphotransferase; PDBTitle: crystal structure of a putative aminoglycoside phosphotransferase2 (yp_614837.1) from silicibacter sp. tm1040 at 2.15 a resolution
71	c2j0kB_	Alignment	not modelled	94.5	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.
72	c6bhcA_	Alignment	not modelled	94.5	17	PDB header: transferase Chain: A: PDB Molecule: pseudopodium-enriched atypical kinase 1; PDBTitle: crystal structure of pseduokinase peak1 (sugen kinase 269)
73	c6ccfB_	Alignment	not modelled	94.4	33	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
74	c3e7eA_	Alignment	not modelled	94.3	17	PDB header: transferase Chain: A: PDB Molecule: mitotic checkpoint serine/threonine-protein kinase bub1; PDBTitle: structure and substrate recruitment of the human spindle checkpoint2 kinase bub
75	c3pfqA_	Alignment	not modelled	94.3	24	PDB header: transferase Chain: A: PDB Molecule: protein kinase c beta type; PDBTitle: crystal structure and allosteric activation of protein kinase c beta2 ii
76	c4czuC_	Alignment	not modelled	94.2	26	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
77	c4i6hA_	Alignment	not modelled	94.0	29	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
78	c5ve6A_	Alignment	not modelled	93.9	17	PDB header: signaling protein Chain: A: PDB Molecule: tyrosine-protein kinase sgk223; PDBTitle: crystal structure of sugen kinase 223

79	c2rsvA	Alignment	not modelled	93.6	18	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase vrk1; PDBTitle: solution structure of human full-length vaccinia related kinase 12 (vrk1)
80	c2pywA	Alignment	not modelled	93.6	16	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: structure of a. thaliana 5-methylthioribose kinase in complex with adp2 and mtr
81	c2vuwA	Alignment	not modelled	93.5	10	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase haspin; PDBTitle: structure of human haspin kinase domain
82	c2ozoA	Alignment	not modelled	93.5	13	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
83	c2wtkC	Alignment	not modelled	93.4	24	PDB header: transferase/metal-binding protein Chain: C: PDB Molecule: serine/threonine-protein kinase 11; PDBTitle: structure of the heterotrimeric lkb1-stradalphamo25alpha2 complex
84	c3dxpA	Alignment	not modelled	93.4	18	PDB header: transferase Chain: A: PDB Molecule: putative acyl-coa dehydrogenase; PDBTitle: crystal structure of a putative aminoglycoside phosphotransferase2 (reut_a1007) from ralstonia eutropha jmp134 at 2.32 a resolution
85	c3f2rB	Alignment	not modelled	93.3	16	PDB header: transferase Chain: B: PDB Molecule: choline kinase alpha; PDBTitle: crystal structure of human choline kinase alpha in complex with2 hemicholinium-3
86	c3vwaA	Alignment	not modelled	93.2	16	PDB header: hydrolase Chain: A: PDB Molecule: cytoplasmic export protein 1; PDBTitle: crystal structure of cex1p
87	c4y93A	Alignment	not modelled	93.1	34	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)
88	c4fl2A	Alignment	not modelled	92.9	10	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
89	c2vwiC	Alignment	not modelled	92.8	31	PDB header: transferase Chain: C: PDB Molecule: serine/threonine-protein kinase osr1; PDBTitle: structure of the osr1 kinase, a hypertension drug target
90	c4oliA	Alignment	not modelled	92.8	28	PDB header: transferase Chain: A: PDB Molecule: non-receptor tyrosine-protein kinase tyk2; PDBTitle: the pseudokinase/kinase protein from jak-family member tyk2
91	c2jiiA	Alignment	not modelled	92.7	24	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase vrk3 PDBTitle: molecule: vaccinia PDBTitle: structure of vaccinia related kinase 3
92	c4btfA	Alignment	not modelled	92.6	23	PDB header: transferase Chain: A: PDB Molecule: mixed lineage kinase domain-like protein; PDBTitle: structure of mlkl
93	c2zv2A	Alignment	not modelled	92.4	24	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase 2; PDBTitle: crystal structure of human calcium/calmodulin-dependent protein kinase2 kinase 2, beta, camkk2 kinase domain in complex with sto-609
94	c4lqsA	Alignment	not modelled	92.2	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
95	c4eutA	Alignment	not modelled	91.7	18	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
96	c3p23B	Alignment	not modelled	91.2	24	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
97	c2fo0A	Alignment	not modelled	91.1	13	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
98	c4h05B	Alignment	not modelled	91.1	26	PDB header: transferase Chain: B: PDB Molecule: aminoglycoside-o-phosphotransferase viii; PDBTitle: crystal structure of aminoglycoside-3'-phosphotransferase of type viii
99	c3fbvL	Alignment	not modelled	90.9	29	PDB header: transferase, hydrolase Chain: L: PDB Molecule: serine/threonine-protein kinase/endoribonuclease ire1; PDBTitle: crystal structure of the oligomer formed by the kinase-ribonuclease2 domain of ire1
100	c4q8jE	Alignment	not modelled	90.9	11	PDB header: hydrolase Chain: E: PDB Molecule: pab-dependent poly(a)-specific ribonuclease subunit pan3; PDBTitle: structure of the saccharomyces cerevisiae pan2-pan3 core complex
101	c3d9vA	Alignment	not modelled	90.7	29	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
102	c2v62A	Alignment	not modelled	90.5	20	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase vrk2; PDBTitle: structure of vaccinia-related kinase 2

103	d1nw1a_	Alignment	not modelled	90.2	17	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Choline kinase
104	c1nw1A_	Alignment	not modelled	90.2	17	PDB header: transferase Chain: A: PDB Molecule: choline kinase (49.2 kd); PDBTitle: crystal structure of choline kinase
105	c3soaA_	Alignment	not modelled	90.0	27	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: calcium/calmodulin-dependent protein kinase type ii subunit PDBTitle: full-length human camkii
106	c2kula_	Alignment	not modelled	89.9	13	PDB header: transferase Chain: A: PDB Molecule: serine/threonine-protein kinase vrk1; PDBTitle: solution structure of human vaccinia related kinase 1(vrk1)
107	c4xi2A_	Alignment	not modelled	89.9	22	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: crystal structure of an auto-inhibited form of bruton's tyrosine2 kinase
108	c3op5B_	Alignment	not modelled	89.9	17	PDB header: transferase Chain: B: PDB Molecule: serine/threonine-protein kinase vrk1; PDBTitle: human vaccinia-related kinase 1
109	c3ckxA_	Alignment	not modelled	89.7	27	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
110	d1qcfa3	Alignment	not modelled	89.6	16	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Protein kinases, catalytic subunit
111	c5jkiA_	Alignment	not modelled	89.4	13	PDB header: hydrolase Chain: A: PDB Molecule: putative lipid phosphate phosphatase yodm; PDBTitle: crystal structure of the first transmembrane pap2 type2 phosphatidylglycerolphosphate phosphatase from bacillus subtilis
112	c2q83A_	Alignment	not modelled	89.3	17	PDB header: transferase Chain: A: PDB Molecule: ytaa protein; PDBTitle: crystal structure of ytaa (2635576) from bacillus subtilis at 2.50 a2 resolution
113	c6r5kO_	Alignment	not modelled	89.3	11	PDB header: rna binding protein Chain: O: PDB Molecule: pan2-pan3 deadenylation complex subunit pan3; PDBTitle: cryo-em structure of a poly(a) rnp bound to the pan2-pan3 deadenylase
114	c2y7jB_	Alignment	not modelled	89.3	30	PDB header: transferase Chain: B: PDB Molecule: phosphorylase b kinase gamma catalytic chain, testis/liver PDBTitle: structure of human phosphorylase kinase, gamma 2
115	c5igwA_	Alignment	not modelled	89.1	19	PDB header: transferase Chain: A: PDB Molecule: macrolide 2'-phosphotransferase ii; PDBTitle: macrolide 2'-phosphotransferase type ii - complex with gdp and2 clarithromycin
116	c4mvfA_	Alignment	not modelled	89.1	23	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
117	c2wu6A_	Alignment	not modelled	89.0	24	PDB header: transferase Chain: A: PDB Molecule: dual specificity protein kinase clk3; PDBTitle: crystal structure of the human clk3 in complex with dki
118	c3r78B_	Alignment	not modelled	88.9	28	PDB header: transferase Chain: B: PDB Molecule: aminoglycoside 3'-phosphotransferase apha1-iab; PDBTitle: crystal structure of the aminoglycoside phosphotransferase aph(3')-ia,2 atp-bound
119	c3f2rA_	Alignment	not modelled	88.8	15	PDB header: transferase Chain: A: PDB Molecule: choline kinase alpha; PDBTitle: crystal structure of human choline kinase alpha in complex with2 hemicholinium-3
120	d2ppqa1	Alignment	not modelled	88.0	11	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: APH phosphotransferases