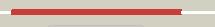
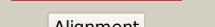
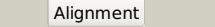
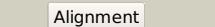
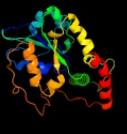
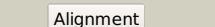
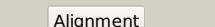


# Phyre<sup>2</sup>

Email	mdejesus@rockefeller.edu
Description	RVBD2267c_(-)_2541654_2542820
Date	Mon Aug 5 13:25:40 BST 2019
Unique Job ID	18995dbf69a98306

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c2z6vA_</a>			100.0	20	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of sulfotransferase stf9 from2 mycobacterium avium
2	<a href="#">c2zq5A_</a>			100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of sulfotransferase stf1 from2 mycobacterium tuberculosis h37rv (type1 form)
3	<a href="#">c3ap3A_</a>			100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein-tyrosine sulfotransferase 2; <b>PDBTitle:</b> crystal structure of human tyrosylprotein sulfotransferase-2 complexed2 with pap
4	<a href="#">c4gbmA_</a>			100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> curm sulfotransferase; <b>PDBTitle:</b> sulfotransferase domain from the curacin biosynthetic pathway
5	<a href="#">c4goxA_</a>			100.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> polyketide synthase; <b>PDBTitle:</b> sulfotransferase domain from the synecchococcus pcc 7002 olefin2 synthase
6	<a href="#">c2gwhA_</a>			100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> sulfotransferase 1c2; <b>PDBTitle:</b> human sulfotranferase sult1c2 in complex with pap and2 pentachlorophenol
7	<a href="#">c1vkjA_</a>			100.0	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> heparan sulfate (glucosamine) 3-o-sulfotransferase 1; <b>PDBTitle:</b> crystal structure of heparan sulfate 3-o-sulfotransferase isoform 1 in2 the presence of pap
8	<a href="#">d1vkjA_</a>			100.0	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
9	<a href="#">d1texa_</a>			100.0	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
10	<a href="#">d1j99a_</a>			100.0	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
11	<a href="#">d1t8ta_</a>			100.0	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase

12	<a href="#">c3bd9A</a>			100.0	16	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> heparan sulfate glucosamine 3-o-sulfotransferase <b>PDBTitle:</b> human 3-o-sulfotransferase isoform 5 with bound pap
13	<a href="#">d1ls6a</a>			100.0	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
14	<a href="#">c3u3oA</a>			100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> sulfotransferase 1a1; <b>PDBTitle:</b> crystal structure of human sult1a1 bound to pap and two 3-cyano-7-2 hydroxycoumarin
15	<a href="#">d1xv1a</a>			100.0	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
16	<a href="#">d1fmja</a>			100.0	17	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
17	<a href="#">c3rn1A</a>			100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> sulfotransferase; <b>PDBTitle:</b> crystal structure of sulfotransferase from alicyclobacillus2 acidocaldarius
18	<a href="#">c1instA</a>			99.9	16	<b>PDB header:</b> sulfotransferase <b>Chain:</b> A; <b>PDB Molecule:</b> heparan sulfate n-deacetylase/n-sulfotransferase; <b>PDBTitle:</b> the sulfotransferase domain of human heparin sulfate n-deacetylase/n-2 sulfotransferase
19	<a href="#">d1insta</a>			99.9	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
20	<a href="#">d3bfxa1</a>			99.9	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
21	<a href="#">d2a3ra1</a>		not modelled	99.9	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
22	<a href="#">c1q1qA</a>		not modelled	99.9	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> sulfotransferase family, cytosolic, 2b, member 1 isoform a; <b>PDBTitle:</b> crystal structure of human pregnenolone sulfotransferase (sult2b1a) in2 the presence of pap
23	<a href="#">d1q20a</a>		not modelled	99.9	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
24	<a href="#">d1aqua</a>		not modelled	99.9	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
25	<a href="#">c5x2bK</a>		not modelled	99.9	21	<b>PDB header:</b> transferase <b>Chain:</b> K; <b>PDB Molecule:</b> sulfotransferase; <b>PDBTitle:</b> crystal structure of mouse sulfotransferase sult7a1 complexed with pap
26	<a href="#">c2zvpX</a>		not modelled	99.9	17	<b>PDB header:</b> transferase <b>Chain:</b> X; <b>PDB Molecule:</b> tyrosine-ester sulfotransferase; <b>PDBTitle:</b> crystal structure of mouse cytosolic sulfotransferase msult1d1 complex2 with pap and p-nitrophenol
27	<a href="#">d1g3ma</a>		not modelled	99.9	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
28	<a href="#">c2ovfA</a>		not modelled	99.9	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A; <b>PDB Molecule:</b> stal; <b>PDBTitle:</b> crystal structure of stal-pap complex

29	<a href="#">c1zd1B</a>	Alignment	not modelled	99.9	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> sulfotransferase 4a1; <b>PDBTitle:</b> human sulfotransferase sult4a1
30	<a href="#">c3mg9A</a>	Alignment	not modelled	99.9	19	<b>PDB header:</b> transferase/antibiotic <b>Chain:</b> A: <b>PDB Molecule:</b> teg12; <b>PDBTitle:</b> teg 12 binary structure complexed with the teicoplanin aglycone
31	<a href="#">c3mgbA</a>	Alignment	not modelled	99.9	21	<b>PDB header:</b> transferase/antibiotic <b>Chain:</b> A: <b>PDB Molecule:</b> teg12; <b>PDBTitle:</b> teg 12 ternary structure complexed with pap and the teicoplanin2 aglycone
32	<a href="#">c2h8kA</a>	Alignment	not modelled	99.9	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> sult1c3 splice variant d; <b>PDBTitle:</b> human sulfotransferase sult1c3 in complex with pap
33	<a href="#">c5mekA</a>	Alignment	not modelled	99.9	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cytosolic sulfotransferase 18; <b>PDBTitle:</b> sulphotransferase-18 from arabidopsis thaliana in complex with 3'-phosphoadenosine 5'-phosphate (pap)
34	<a href="#">d1q44a</a>	Alignment	not modelled	99.9	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> PAPS sulfotransferase
35	<a href="#">c5tizA</a>	Alignment	not modelled	99.5	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> sulfotransferase; <b>PDBTitle:</b> schistosoma japonicum (blood fluke) sulfotransferase
36	<a href="#">c4mubA</a>	Alignment	not modelled	99.4	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> sulfotransferase; <b>PDBTitle:</b> schistosoma mansoni (blood fluke) sulfotransferase/oxamniquine complex
37	<a href="#">d2bcgy1</a>	Alignment	not modelled	75.8	21	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
38	<a href="#">c5t0aB</a>	Alignment	not modelled	73.7	19	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> maltose binding protein - heparan sulfate 6-o-sulfotransferase <b>PDBTitle:</b> crystal structure of heparan sulfate 6-o-sulfotransferase with bound2 pap and heptasaccharide substrate
39	<a href="#">c4nc1B</a>	Alignment	not modelled	72.1	42	<b>PDB header:</b> translation <b>Chain:</b> B: <b>PDB Molecule:</b> eukaryotic translation initiation factor 5b-like protein; <b>PDBTitle:</b> crystal structure of eukaryotic translation initiation factor eif5b2 (517-970) from chaetomium thermophilum in complex with gdp
40	<a href="#">d1nija1</a>	Alignment	not modelled	69.4	33	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nitrogenase iron protein-like
41	<a href="#">c1nijA</a>	Alignment	not modelled	67.1	29	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein yjia; <b>PDBTitle:</b> yjia protein
42	<a href="#">d1p3ja1</a>	Alignment	not modelled	63.1	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
43	<a href="#">d1yzna1</a>	Alignment	not modelled	62.0	21	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
44	<a href="#">c2oilA</a>	Alignment	not modelled	61.5	24	<b>PDB header:</b> protein transport <b>Chain:</b> A: <b>PDB Molecule:</b> ras-related protein rab-25; <b>PDBTitle:</b> crystal structure of human rab25 in complex with gdp
45	<a href="#">c2qorA</a>	Alignment	not modelled	60.5	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> guanylate kinase; <b>PDBTitle:</b> crystal structure of plasmodium vivax guanylate kinase
46	<a href="#">c2gedB</a>	Alignment	not modelled	58.1	31	<b>PDB header:</b> protein transport, signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> signal recognition particle receptor beta subunit; <b>PDBTitle:</b> signal recognition particle receptor beta-subunit in nucleotide-free2 dimerized form
47	<a href="#">c4nu0B</a>	Alignment	not modelled	57.5	19	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylate kinase from streptococcus pneumoniae2 with ap5a
48	<a href="#">d1g7sa4</a>	Alignment	not modelled	57.3	41	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
49	<a href="#">c3neyC</a>	Alignment	not modelled	57.3	15	<b>PDB header:</b> membrane protein <b>Chain:</b> C: <b>PDB Molecule:</b> 55 kda erythrocyte membrane protein; <b>PDBTitle:</b> crystal structure of the kinase domain of mpp1/p55
50	<a href="#">d2bmea1</a>	Alignment	not modelled	56.8	32	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
51	<a href="#">d1ak2a1</a>	Alignment	not modelled	55.5	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
52	<a href="#">c2if2C</a>	Alignment	not modelled	53.9	14	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> crystal structure of the putative dephospho-coa kinase from aquifex2 aeolicus, northeast structural genomics target qr72.
53	<a href="#">d1s3ga1</a>	Alignment	not modelled	52.8	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
54	<a href="#">c4nh0A</a>	Alignment	not modelled	52.7	26	<b>PDB header:</b> cell cycle <b>Chain:</b> A: <b>PDB Molecule:</b> cell divisionftsks/spoiiie; <b>PDBTitle:</b> cytoplasmic domain of the thermomonospora curvata type vii secretion2 atpase eccc

						<b>PDB header:</b> transcription regulator <b>Chain:</b> B; <b>PDB Molecule:</b> putative two-component system transcriptional response <b>PDBTitle:</b> crystal structure of sigma-54 interaction domain of putative2 transcriptional response regulator from neisseria gonorrhoeae
55	<a href="#">c3co5B</a>		Alignment	not modelled	50.5	14 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ATP sulfurylase C-terminal domain
56	<a href="#">d1m8pa3</a>		Alignment	not modelled	50.0	26 <b>PDB header:</b> lipid binding protein <b>Chain:</b> A; <b>PDB Molecule:</b> cytohesin-3,adp-ribosylation factor 6; <b>PDBTitle:</b> model for extended volume of truncated monomeric cytohesin-3 (grp1;2 amino acids 63-399) e161a arf6 q67l fusion protein
57	<a href="#">c6bbqA</a>		Alignment	not modelled	49.9	36 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
58	<a href="#">d1lw7a2</a>		Alignment	not modelled	49.9	24 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
59	<a href="#">d1kjwa2</a>		Alignment	not modelled	49.7	30 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
60	<a href="#">d1qf9a</a>		Alignment	not modelled	49.5	19 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
61	<a href="#">c3bbpA</a>		Alignment	not modelled	49.3	19 <b>PDB header:</b> protein transport/splicing <b>Chain:</b> A; <b>PDB Molecule:</b> ras-related protein rab-6a; <b>PDBTitle:</b> rab6-gtp:gcc185 rab binding domain complex
62	<a href="#">c4bzpB</a>		Alignment	not modelled	49.3	23 <b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> bifunctional enzyme cysn/cysc; <b>PDBTitle:</b> structure of the mycobacterium tuberculosis aps kinase cysc2 in complex with adp
63	<a href="#">c4ag5A</a>		Alignment	not modelled	49.0	17 <b>PDB header:</b> hydrolase <b>Chain:</b> A; <b>PDB Molecule:</b> type iv secretory pathway virb4 components-like protein; <b>PDBTitle:</b> structure of virb4 of thermoanaerobacter pseudethanolicus
64	<a href="#">d2cdna1</a>		Alignment	not modelled	48.7	14 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
65	<a href="#">d1akya1</a>		Alignment	not modelled	48.2	15 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
66	<a href="#">c2bovA</a>		Alignment	not modelled	48.0	21 <b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> ras-related protein ral-a; <b>PDBTitle:</b> molecular recognition of an adp-ribosylating clostridium2 botulinum C3 exoenzyme by rala gtpase
67	<a href="#">c4nkrB</a>		Alignment	not modelled	47.9	38 <b>PDB header:</b> unknown function <b>Chain:</b> B; <b>PDB Molecule:</b> molybdopterin-guanine dinucleotide biosynthesis protein b; <b>PDBTitle:</b> the crystal structure of bacillus subtilis mobb
68	<a href="#">d1m7gb</a>		Alignment	not modelled	47.4	26 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Adenosine-5'phosphosulfate kinase (APS kinase)
69	<a href="#">c1g7tA</a>		Alignment	not modelled	46.4	41 <b>PDB header:</b> translation <b>Chain:</b> A; <b>PDB Molecule:</b> translation initiation factor if2/eif5b; <b>PDBTitle:</b> x-ray structure of translation initiation factor if2/eif5b2 complexed with gdnpn
70	<a href="#">d1zaka1</a>		Alignment	not modelled	46.2	24 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
71	<a href="#">d1e4val1</a>		Alignment	not modelled	46.0	16 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
72	<a href="#">c2ar7A</a>		Alignment	not modelled	45.6	12 <b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> adenylate kinase 4; <b>PDBTitle:</b> crystal structure of human adenylate kinase 4, ak4
73	<a href="#">c4lpsA</a>		Alignment	not modelled	45.6	27 <b>PDB header:</b> metal binding protein <b>Chain:</b> A; <b>PDB Molecule:</b> hydrogenase/urease nickel incorporation protein hypb; <b>PDBTitle:</b> crystal structure of hypb from helicobacter pylori in complex with2 nickel
74	<a href="#">c3cm0A</a>		Alignment	not modelled	44.8	15 <b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylate kinase from thermus2 thermophilus hb8
75	<a href="#">c3vaaC</a>		Alignment	not modelled	44.4	30 <b>PDB header:</b> transferase <b>Chain:</b> C; <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
76	<a href="#">d1rkba</a>		Alignment	not modelled	44.3	33 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
77	<a href="#">c1zuiA</a>		Alignment	not modelled	44.2	17 <b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
78	<a href="#">c3tlxA</a>		Alignment	not modelled	44.1	11 <b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> adenylate kinase 2; <b>PDBTitle:</b> crystal structure of pf10_0086, adenylate kinase from plasmodium2 falciparum
79	<a href="#">d1zina1</a>		Alignment	not modelled	44.0	20 <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
						<b>PDB header:</b> transferase

80	<a href="#">c4cw7A</a>	Alignment	not modelled	43.9	35	<b>Chain:</b> A: <b>PDB Molecule:</b> putative adenylate kinase; <b>PDBTitle:</b> structure of the fap7-rps14 complex in complex with atp
81	<a href="#">d2ak3a1</a>	Alignment	not modelled	43.5	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
82	<a href="#">c1ankA</a>	Alignment	not modelled	43.3	12	<b>PDB header:</b> transferase(phosphotransferase) <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> the closed conformation of a highly flexible protein: the structure of 2 e. coli adenylate kinase with bound amp and amppnp
83	<a href="#">c3akyA</a>	Alignment	not modelled	43.3	15	<b>PDB header:</b> adenylate kinase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> stability, activity and structure of adenylate kinase2 mutants
84	<a href="#">d1yzga1</a>	Alignment	not modelled	43.0	41	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
85	<a href="#">d1jjva</a>	Alignment	not modelled	43.0	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
86	<a href="#">c3c4hA</a>	Alignment	not modelled	42.4	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> poly(adp-ribose) polymerase 3; <b>PDBTitle:</b> human poly(adp-ribose) polymerase 3, catalytic fragment in complex2 with an inhibitor dr2313
87	<a href="#">d1yzqa1</a>	Alignment	not modelled	42.4	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
88	<a href="#">c5g3yA</a>	Alignment	not modelled	42.3	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylate kinase ancestor 1 with zn and adp bound
89	<a href="#">d1bifa1</a>	Alignment	not modelled	41.9	25	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, kinase domain
90	<a href="#">c2ak2A</a>	Alignment	not modelled	40.3	14	<b>PDB header:</b> phosphotransferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase isoenzyme-2; <b>PDBTitle:</b> adenylate kinase isoenzyme-2
91	<a href="#">c3a1vB</a>	Alignment	not modelled	40.2	20	<b>PDB header:</b> transport protein <b>Chain:</b> B: <b>PDB Molecule:</b> iron(ii) transport protein b; <b>PDBTitle:</b> crystal strucute of the cytosolic domain of t. maritima feob2 iron transporter in apo form
92	<a href="#">d1m7ga</a>	Alignment	not modelled	40.0	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Adenosine-5'-phosphosulfate kinase (APS kinase)
93	<a href="#">c2c99A</a>	Alignment	not modelled	40.0	29	<b>PDB header:</b> transcription regulation <b>Chain:</b> A: <b>PDB Molecule:</b> psp operon transcriptional activator; <b>PDBTitle:</b> structural basis of the nucleotide driven conformational2 changes in the aaa domain of transcription activator pspf
94	<a href="#">c4y0aA</a>	Alignment	not modelled	39.5	32	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A: <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> shikimate kinase from acinetobacter baumannii in complex with2 shikimate
95	<a href="#">d1e6ca</a>	Alignment	not modelled	39.5	36	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Shikimate kinase (AroK)
96	<a href="#">d1kgda</a>	Alignment	not modelled	39.4	9	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
97	<a href="#">d1zd9a1</a>	Alignment	not modelled	38.8	24	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
98	<a href="#">c4mitB</a>	Alignment	not modelled	38.2	32	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> rho family gtpase; <b>PDBTitle:</b> crystal structure of e. histolytica racc bound to the ehpak4 pdb
99	<a href="#">c1gs0B</a>	Alignment	not modelled	38.0	26	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> poly (adp-ribose) polymerase-2; <b>PDBTitle:</b> crystal structure of the catalytic fragment of murine poly2 (adp-ribose) polymerase-2
100	<a href="#">c3bwD</a>	Alignment	not modelled	38.0	32	<b>PDB header:</b> plant protein <b>Chain:</b> D: <b>PDB Molecule:</b> rac-like gtp-binding protein arac6; <b>PDBTitle:</b> crystal structure of the plant rho protein rop5
101	<a href="#">c4ku4B</a>	Alignment	not modelled	37.9	29	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> ras-3 from cryphonectria parasitica; <b>PDBTitle:</b> crystal structure of a ras-like protein from cryphonectria parasitica2 in complex with gdp
102	<a href="#">c5fg3A</a>	Alignment	not modelled	37.7	41	<b>PDB header:</b> translation <b>Chain:</b> A: <b>PDB Molecule:</b> probable translation initiation factor if-2; <b>PDBTitle:</b> crystal structure of gdp-bound aif5b from aeropyrum pernix
103	<a href="#">c2i1vB</a>	Alignment	not modelled	37.0	28	<b>PDB header:</b> transferase, hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> 6-phosphofructo-2-kinase/fructose-2,6-P <b>PDBTitle:</b> crystal structure of pfkfb3 in complex with adp and fructose-2,6-bisphosphate
104	<a href="#">c6f1yj</a>	Alignment	not modelled	36.9	19	<b>PDB header:</b> motor protein <b>Chain:</b> J: <b>PDB Molecule:</b> <b>PDBTitle:</b> dynein light intermediate chain region of the dynein2 tail/dynactin/bicdr1 complex
105	<a href="#">c1zakB</a>	Alignment	not modelled	36.7	24	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> adenylate kinase from maize in complex with the inhibitor2 p1,p5-bis(adenosine-5')pentaphosphate (ap5a)
106	<a href="#">d1viaa</a>	Alignment	not modelled	36.7	25	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Shikimate kinase (AroK)

107	<a href="#">d1z0ja1</a>		Alignment	not modelled	36.2	10	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
108	<a href="#">c2ak3B_</a>		Alignment	not modelled	36.2	12	<b>PDB header:</b> transferase (phosphotransferase) <b>Chain:</b> B; <b>PDB Molecule:</b> adenylate kinase isoenzyme-3; <b>PDBTitle:</b> the three-dimensional structure of the complex between2 mitochondrial matrix adenylate kinase and its substrate3 amp at 1.85 angstroms resolution
109	<a href="#">c1ys4A_</a>		Alignment	not modelled	35.8	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A; <b>PDB Molecule:</b> aspartate-semialdehyde dehydrogenase; <b>PDBTitle:</b> structure of aspartate-semialdehyde dehydrogenase from methanococcus2 jannaschii
110	<a href="#">d1zj6a1</a>		Alignment	not modelled	35.4	33	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
111	<a href="#">d1z07a1</a>		Alignment	not modelled	35.3	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
112	<a href="#">c1f5nA_</a>		Alignment	not modelled	35.3	29	<b>PDB header:</b> signaling protein <b>Chain:</b> A; <b>PDB Molecule:</b> interferon-induced guanylate-binding protein 1; <b>PDBTitle:</b> human guanylate binding protein-1 in complex with the gtp analogue,2 gmppnp.
113	<a href="#">d1jnya3</a>		Alignment	not modelled	34.8	29	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
114	<a href="#">c2yvuA_</a>		Alignment	not modelled	34.4	21	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> probable adenylyl-sulfate kinase; <b>PDBTitle:</b> crystal structure of ape1195
115	<a href="#">d2gj8a1</a>		Alignment	not modelled	34.1	29	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins
116	<a href="#">c6gyeB_</a>		Alignment	not modelled	34.1	23	<b>PDB header:</b> transport protein <b>Chain:</b> B; <b>PDB Molecule:</b> nicotinamide-nucleotide adenylyltransferase nadr family / <b>PDBTitle:</b> crystal structure of nadr protein in complex with nr
117	<a href="#">c2eu8B_</a>		Alignment	not modelled	33.8	24	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of a thermostable mutant of bacillus2 subtilis adenylate kinase (q199r)
118	<a href="#">c2vliB_</a>		Alignment	not modelled	33.4	26	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> antibiotic resistance protein; <b>PDBTitle:</b> structure of deinococcus radiodurans tunicamycin resistance protein
119	<a href="#">d1k6ma1</a>		Alignment	not modelled	33.3	27	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, kinase domain
120	<a href="#">d2erxa1</a>		Alignment	not modelled	33.2	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> G proteins