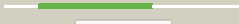

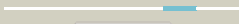


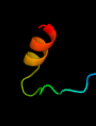





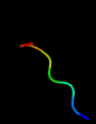

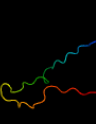





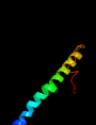


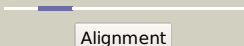

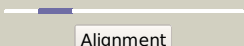



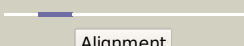

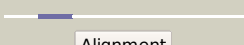
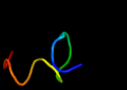
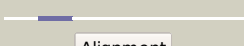







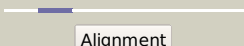
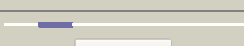
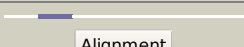
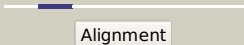
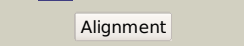

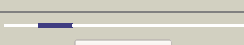
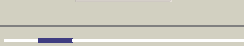



# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0517_(-)_608749_610059
Date	Fri Jul 26 01:50:06 BST 2019
Unique Job ID	a8f9ff34058fb9ab

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6btmF_</a>	 Alignment		53.2	10	<b>PDB header:</b> membrane protein <b>Chain:</b> F: <b>PDB Molecule:</b> alternative complex iii subunit f; <b>PDBTitle:</b> structure of alternative complex iii from flavobacterium johnsoniae2 (wild type)
2	<a href="#">c2wwbB_</a>	 Alignment		38.6	22	<b>PDB header:</b> ribosome <b>Chain:</b> B: <b>PDB Molecule:</b> protein transport protein sec61 subunit gamma; <b>PDBTitle:</b> cryo-em structure of the mammalian sec61 complex bound to the actively2 translating wheat germ 80s ribosome
3	<a href="#">d1y6ia2</a>	 Alignment		26.0	24	<b>Fold:</b> GUN4-like <b>Superfamily:</b> GUN4-like <b>Family:</b> GUN4-like
4	<a href="#">d1rhzb_</a>	 Alignment		20.8	11	<b>Fold:</b> Single transmembrane helix <b>Superfamily:</b> Preprotein translocase SecE subunit <b>Family:</b> Preprotein translocase SecE subunit
5	<a href="#">c4djiA_</a>	 Alignment		17.5	8	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> probable glutamate/gamma-aminobutyrate antiporter; <b>PDBTitle:</b> structure of glutamate-gaba antiporter gadc
6	<a href="#">c6e4hA_</a>	 Alignment		17.1	38	<b>PDB header:</b> oncoprotein <b>Chain:</b> A: <b>PDB Molecule:</b> partner and localizer of brca2; <b>PDBTitle:</b> solution nmr structure of the colied-coil palb2 homodimer
7	<a href="#">d1stma_</a>	 Alignment		12.5	25	<b>Fold:</b> Nucleoplasmin-like/VP (viral coat and capsid proteins) <b>Superfamily:</b> Satellite viruses <b>Family:</b> Satellite viruses
8	<a href="#">c6mjpf_</a>	 Alignment		11.7	12	<b>PDB header:</b> lipid transport <b>Chain:</b> F: <b>PDB Molecule:</b> fig000988: predicted permease; <b>PDBTitle:</b> lptb(e163q)fgc from vibrio cholerae
9	<a href="#">c1ym0B_</a>	 Alignment		11.7	67	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> fibrinolytic enzyme component b; <b>PDBTitle:</b> crystal structure of earthworm fibrinolytic enzyme component b: a2 novel, glycosylated two-chained trypsin
10	<a href="#">c4gn0D_</a>	 Alignment		11.7	8	<b>PDB header:</b> signaling protein <b>Chain:</b> D: <b>PDB Molecule:</b> hamp domain of af1503; <b>PDBTitle:</b> de novo phasing of a hamp-complex using an improved arcimbolodo method
11	<a href="#">d1z3xa2</a>	 Alignment		11.0	24	<b>Fold:</b> GUN4-like <b>Superfamily:</b> GUN4-like <b>Family:</b> GUN4-like

12	<a href="#">c3v28U</a>	 Alignment		10.6	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of hpf bound to the 70s ribosome. this pdb entry2 contains coordinates for the 30s subunit with bound hpf of the 2nd3 ribosome in the asu
13	<a href="#">c3v26U</a>	 Alignment		10.4	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of hpf bound to the 70s ribosome. this pdb entry2 contains coordinates for the 30s subunit with bound hpf of the 1st3 ribosome in the asu
14	<a href="#">c3ohcU</a>	 Alignment		10.4	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus ribosome complexed with2 erythromycin. this file contains the 30s subunit of one 70s ribosome.3 the entire crystal structure contains two 70s ribosomes.
15	<a href="#">c3ohdU</a>	 Alignment		10.4	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus ribosome complexed with2 erythromycin. this file contains the 30s subunit of one 70s ribosome.3 the entire crystal structure contains two 70s ribosomes.
16	<a href="#">c2qnhv</a>	 Alignment		10.4	31	<b>PDB header:</b> ribosome <b>Chain:</b> V; <b>PDB Molecule:</b> <b>PDBTitle:</b> interactions and dynamics of the shine-dalgarno helix in the 70s2 ribosome. this file, 2qnh, contains the 30s ribosome subunit, two3 trna, and mrna molecules. 50s ribosome subunit is in the file 1vsp.
17	<a href="#">c2v48U</a>	 Alignment		10.2	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the ribosome recycling factor bound to the2 thermus thermophilus 70s ribosome with mrna, asl-phe and3 trna-fmet (part 3 of 4). this file contains the 30s4 subunit, mrna, p-site asl, e-site trna and rrf for5 molecule 2.
18	<a href="#">c2v46U</a>	 Alignment		10.2	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the ribosome recycling factor bound to the2 thermus thermophilus 70s ribosome with mrna, asl-phe and3 trna-fmet (part 1 of 4). this file contains the 30s4 subunit, mrna, p-site asl, e-site trna and rrf for5 molecule 1.
19	<a href="#">c3ohyU</a>	 Alignment		10.1	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 70s ribosome complexed with2 azithromycin. this file contains the 30s subunit of one 70s ribosome.3 the entire crystal structure contains two 70s ribosomes.
20	<a href="#">c3oi0U</a>	 Alignment		10.1	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 70s ribosome complexed with2 azithromycin. this file contains the 30s subunit of one 70s ribosome.3 the entire crystal structure contains two 70s ribosomes.
21	<a href="#">c4g5mX</a>	 Alignment	not modelled	10.1	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> X; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 70s ribosome with tetracycline. this entry2 contains the 30s subunit of molecule b.
22	<a href="#">c4ji8U</a>	 Alignment	not modelled	10.1	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of 30s ribosomal subunit from thermus thermophilus
23	<a href="#">c3knhU</a>	 Alignment	not modelled	10.1	31	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> the structures of viomycin bound to the 70s ribosome. this file2 contains the 30s subunit for molecule i
24	<a href="#">c1vvzU</a>	 Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-u in the absence of paromomycin
25	<a href="#">c1vxmU</a>	 Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of trna proline (cgg) bound to codon ccg-g on the2 ribosome
26	<a href="#">c4kx1U</a>	 Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-g on the ribosome
27	<a href="#">c1vxkU</a>	 Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of trna proline (cgg) bound to codon ccg-g on the2 ribosome
28	<a href="#">c1vvrU</a>	 Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-a on the ribosome
						<b>PDB header:</b> ribosome

29	<a href="#">c1vvpU_</a>	Alignment	not modelled	9.9	31	<b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-a on the ribosome
30	<a href="#">c3i9dX_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> X; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> initiation complex of 70s ribosome with two trnas and mrna. this entry2 3i9d contains 30s ribosomal subunit of molecule a. the 50s ribosomal3 subunit can be found in pdb entry 3i9e. molecule b in the same4 asymmetric unit is deposited as 3i9b (30s) and 3i9c (50s)
31	<a href="#">c1vxpU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of trna proline (cgg) bound to codon ccc-g on the2 ribosome
32	<a href="#">c1vvtU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccg-g on the ribosome
33	<a href="#">c1vvnU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-u on the ribosome
34	<a href="#">c1vvvU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccg-g on the ribosome
35	<a href="#">c4kwzU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-g on the ribosome
36	<a href="#">c1vvlU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-u on the ribosome
37	<a href="#">c1vxsU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of trna proline (cgg) bound to codon ccc-g on the2 ribosome
38	<a href="#">c1vvxU_</a>	Alignment	not modelled	9.9	31	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein s21; <b>PDBTitle:</b> crystal structure of frameshift suppressor trna sufa6 bound to codon2 ccc-u in the absence of paromomycin
39	<a href="#">c2ow8v_</a>	Alignment	not modelled	9.3	50	<b>PDB header:</b> ribosome <b>Chain:</b> V; <b>PDB Molecule:</b> <b>PDBTitle:</b> crystal structure of a 70s ribosome-trna complex reveals functional2 interactions and rearrangements. this file, 2ow8, contains the 30s3 ribosome subunit, two trna, and mrna molecules. 50s ribosome subunit4 is in the file 1vsa.
40	<a href="#">c3v22U_</a>	Alignment	not modelled	9.1	56	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of rmf bound to the 70s ribosome. this pdb entry2 contains coordinates for the 30s subunit with bound rmf of the 1st3 ribosome in the asu
41	<a href="#">c5sxpG_</a>	Alignment	not modelled	9.1	27	<b>PDB header:</b> signaling protein/ligase <b>Chain:</b> G; <b>PDB Molecule:</b> e3 ubiquitin-protein ligase itchy homolog; <b>PDBTitle:</b> structural basis for the interaction between itch prr and beta-pix
42	<a href="#">c1n34V_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> V; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 30s ribosomal subunit2 in the presence of codon and crystallographically3 disordered near-cognate transfer rna anticodon stem-loop4 mismatched at the first codon position
43	<a href="#">c5lmpV_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> V; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of bacterial 30s-if1-if3-mrna translation pre-initiation2 complex (state-1c)
44	<a href="#">c4dv1U_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 30s ribosomal subunit2 with a 16s rrna mutation, u20g, bound with streptomycin
45	<a href="#">c4ji0U_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of 30s ribosomal subunit from thermus thermophilus
46	<a href="#">c4ji4U_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of 30s ribosomal subunit from thermus thermophilus
47	<a href="#">c4dv2U_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 30s ribosomal subunit2 with a 16s rrna mutation, c912a
48	<a href="#">c4gkkV_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> V; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 30s ribosomal subunit complexed2 with a human mitochondrial anticodon stem loop (asl) of transfer rna3 methionine (trnamet) bound to an mrna with an aua-codon in the a-site4 and paromomycin
49	<a href="#">c5lmuV_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> V; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of bacterial 30s-if3-mrna-trna translation pre-initiation2 complex, closed form (state-4)
50	<a href="#">c4juwU_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> U; <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the ribosome bound to elongation factor g in the2 guanosine triphosphatase state (this file contains the 30s subunit)
51	<a href="#">c4dv3U_</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U; <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 30s ribosomal subunit2 with a 16s rrna mutation, c912a, bound with

						streptomycin
52	<a href="#">c4nxmU</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 30s ribosomal subunit from a gidb (rsmg)2 mutant of thermus thermophilus (hb8)
53	<a href="#">c4jv5U</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structures of pseudouridinilated stop codons with asls
54	<a href="#">c1i97U</a>	Alignment	not modelled	9.0	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 30s ribosomal subunit from thermus2 thermophilus in complex with tetracycline
55	<a href="#">c1y6iA</a>	Alignment	not modelled	8.8	24	<b>PDB header:</b> ligand binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> mg-chelatase cofactor gun4; <b>PDBTitle:</b> synechocystis gun4
56	<a href="#">c2b9oU</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> 30s ribosomal subunit, trnas and mrna from a crystal structure of the2 whole ribosomal complex with a stop codon in the a-site. this file3 contains the 30s subunit, trnas and mrna from a crystal structure of4 the whole ribosomal complex with a stop codon in the a-site and is5 described in remark 400.
57	<a href="#">c2b9mU</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> 30s ribosomal subunit, trnas, mrna and release factor rf2 from a2 crystal structure of the whole ribosomal complex. this file contains3 the 30s ribosomal subunit, trnas, mrna and release factor rf2 from a4 crystal structure of the whole ribosomal complex". the entire crystal5 structure contains one 70s ribosome, trnas, mrna and release factor6 rf2 and is described in remark 400.
58	<a href="#">c1n36V</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 30s ribosomal subunit2 in the presence of crystallographically disordered codon3 and near-cognate transfer rna anticodon stem-loop4 mismatched at the second codon position
59	<a href="#">c4yhhV</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 30s ribosomal subunit from thermus2 thermophilus in complex with tigecycline
60	<a href="#">c1xmoV</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of mnm5u34t6a37-trnalysuuu complexed with aag-mrna2 in the decoding center
61	<a href="#">c2b64U</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> 30s ribosomal subunit, trnas, mrna and release factor rf1 from a2 crystal structure of the whole ribosomal complex. this file contains3 the 30s subunit, trnas, mrna and release factor rf1 from a crystal4 structure of the whole ribosomal complex". the entire crystal5 structure contains one 70s ribosome, trnas, mrna and release factor6 rf1 and is described in remark 400.
62	<a href="#">c2hgiX</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> X: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 70s thermus thermophilus ribosome showing how2 the 16s 3'-end mimicks mrna e and p codons. this entry 2hgi contains3 30s ribosomal subunit. the 50s ribosomal subunit can be found in pdb4 entry 2hgi.
63	<a href="#">c3huyU</a>	Alignment	not modelled	8.8	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of ef-p bound to the 70s ribosome; this file contains the2 30s subunit, mrna, p-site trna and ef-p for molecule ii.
64	<a href="#">c3v24U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of rmf bound to the 70s ribosome. this pdb entry2 contains coordinates for the 30s subunit with bound rmf of the 2nd3 ribosome in the asu
65	<a href="#">c1yl4X</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> X: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of 70s ribosome with thrs operator and trnas. 30s2 subunit. the coordinates for the 50s subunit are in the pdb entry3 1yl3
66	<a href="#">c1xnrV</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> 16s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of an inosine-cytosine wobble base pair2 in the context of the decoding center
67	<a href="#">c4gkjV</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> V: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 30s ribosomal subunit complexed2 with a human mitochondrial anticodon stem loop (asl) of transfer rna3 methionine (trnamet) bound to an mrna with an aug-codon in the a-site4 and paromomycin.
68	<a href="#">c2wdgU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 70s ribosome in2 complex with mrna, paromomycin, acylated a-site trna,3 deacylated p-site trna, and e-site trna. this file4 contains the 30s subunit a-,p-, and e-site trnas and5 paromomycin for molecule i.
69	<a href="#">c3v6uU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the bacterial ribosome ram mutation g347u. this2 entry contains the 30s ribosomal subunit of the first 70s molecule in3 the asymmetric unit
70	<a href="#">c4ej9U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the bacterial ribosome ram mutation g299a. this2 entry contains the 30s ribosomal subunit of the first 70s molecule in3 the asymmetric unit
71	<a href="#">c4abrU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> complex of smpb, a tmrna fragment and ef-tu-gdp-

						kirromycin2 with the 70s ribosome
72	<a href="#">c2hgrX</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> X: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> 70s t.th. ribosome functional complex with mrna and e- and p-site2 trnas at 4.5a. this entry 2hgr contains 30s ribosomal subunit. the3 50s ribosomal subunit can be found in pdb entry 2hgu.
73	<a href="#">c4kfkU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 70s ribosome bound with the q253p mutant of2 release factor rf2. 30s of the b subunit
74	<a href="#">c2y18U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> the crystal structure of ef-tu and trp-trna-trp bound to a2 cognate codon on the 70s ribosome.
75	<a href="#">c1ibmV</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> structure of the thermus thermophilus 30s ribosomal subunit2 in complex with a messenger rna fragment and cognate3 transfer rna anticodon stem-loop bound at the a site
76	<a href="#">c2uxdV</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> crystal structure of an extended trna anticodon stem loop in complex2 with its cognate mrna cggg in the context of the thermus thermophilus3 30s subunit.
77	<a href="#">c1xnqV</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> V: <b>PDB Molecule:</b> ribosomal protein thx; <b>PDBTitle:</b> structure of an inosine-adenine wobble base pair complex in2 the context of the decoding center
78	<a href="#">c4b8fU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of 70s ribosome with both cognate trnas in the e2 and p sites representing an authentic elongation complex
79	<a href="#">c4b8hU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of 70s ribosome with both cognate trnas in the e2 and p sites representing an authentic elongation complex
80	<a href="#">c2j17U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> insights into translational termination from the structure2 of rf2 bound to the ribosome (part 3 of 4).3 this file contains the 30s subunit.
81	<a href="#">c4kfhU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the 70s ribosome bound with the q253p mutant of2 release factor rf2. 30s of the a subunit
82	<a href="#">c4kvbU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> thermus thermophilus hb27 30s ribosomal subunit lacking ribosomal2 protein s17
83	<a href="#">c2j15U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> insights into translational termination from the structure2 of rf2 bound to the ribosome (part 1 of 4).3 this file contains the 30s subunit.
84	<a href="#">c4rb9U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in complex2 with pactamycin (soaked), mrna and three deacylated trnas in the a, p3 and e sites
85	<a href="#">c3v2cU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/inhibitor <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of yfia bound to the 70s ribosome. this pdb entry2 contains coordinates for the 30s subunit with bound yfia of the 1st3 ribosome in the asu
86	<a href="#">c4nvwU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of antibiotic dityromycin bound to 70s ribosome
87	<a href="#">c4qjtU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> <b>PDBTitle:</b> crystal structure of elongation factor 4 (ef4/lepa) bound to the2 thermus thermophilus 70s ribosome, 30s subunit of the 70s ribosome
88	<a href="#">c3uxtU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> the structure of thermorubin in complex with the 70s ribosome from2 thermus thermophilus. this file contains the 30s subunit of one 70s3 ribosome. the entire crystal structure contains two 70s ribosomes.'
89	<a href="#">c4qcyU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in the pre-2 attack state of peptide bond formation containing short substrate-3 mimic cytidine-cytidine-puromycin in the a site and acylated trna in4 the p site. this entry contains the 30s subunit of the first 70s5 ribosome in the asu.
90	<a href="#">c4rb7U</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in complex2 with amicoumacin, mrna and three deacylated trnas in the a, p and e3 sites
91	<a href="#">c4dhbU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of yaej bound to the 70s ribosome
92	<a href="#">c4qcoU</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in the pre-2 attack state of peptide bond formation containing acylated trna-3 substrates in the a and p sites. this entry contains the 30s subunit4 of the second 70s ribosome in the asu.
						<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx;

93	<a href="#">c4rbjU_</a>	Alignment	not modelled	8.7	56	<b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in complex2 with negamycin, mrna and three deacylated trnas in the a, p and e3 sites
94	<a href="#">c4qcwU_</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in the pre-2 attack state of peptide bond formation containing short substrate-3 mimic cytidine-puromycin in the a site and acylated trna in the p4 site. this entry contains the 30s subunit of the second 70s ribosome5 in the asu.
95	<a href="#">c4rbBU_</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in complex2 with pactamycin (soaked), mrna and three deacylated trnas in the a, p3 and e sites
96	<a href="#">c4qcmU_</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in the pre-2 attack state of peptide bond formation containing acylated trna-3 substrates in the a and p sites. this entry contains the 30s subunit4 of the first 70s ribosome in the asu.
97	<a href="#">c4rb5U_</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in complex2 with amicomacin, mrna and three deacylated trnas in the a, p and e3 sites
98	<a href="#">c4nvuU_</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome/antibiotic <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of antibiotic dityromycin bound to 70s ribosome
99	<a href="#">c4qcuU_</a>	Alignment	not modelled	8.7	56	<b>PDB header:</b> ribosome <b>Chain:</b> U: <b>PDB Molecule:</b> 30s ribosomal protein thx; <b>PDBTitle:</b> crystal structure of the thermus thermophilus 70s ribosome in the pre-2 attack state of peptide bond formation containing short substrate-3 mimic cytidine-puromycin in the a site and acylated trna in the p4 site. this entry contains the 30s subunit of the first 70s ribosome5 in the asu.