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**New insight into RNase P RNA structure from comparative analysis of the archaeal RNA**

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#	Paper	IF	Citations
88	Characterization of RNase P holoenzymes from <i>Methanococcus jannaschii</i> and <i>Methanothermobacter thermoautotrophicus</i> . <i>Biological Chemistry</i> , <b>2001</b> , 382, 1171-7	4.5	23
87	Bacterial ribonuclease P holoenzyme crosslinking analysis reveals protein interaction sites on the RNA subunit. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, 3848-56	20.1	21
86	RNase P: variations and uses. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 6759-62	5.4	85
85	Noncoding RNA genes identified in AT-rich hyperthermophiles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 7542-7	11.5	142
84	Archaeal RNase P has multiple protein subunits homologous to eukaryotic nuclear RNase P proteins. <i>Rna</i> , <b>2002</b> , 8, 296-306	5.8	77
83	tRNA 3'end maturation in archaea has eukaryotic features: the RNase Z from <i>Haloferax volcanii</i> . <i>Journal of Molecular Biology</i> , <b>2002</b> , 316, 895-902	6.5	55
82	Conservation of helical structure contributes to functional metal ion interactions in the catalytic domain of ribonuclease P RNA. <i>Journal of Molecular Biology</i> , <b>2002</b> , 324, 429-42	6.5	42
81	The comparative RNA web (CRW) site: an online database of comparative sequence and structure information for ribosomal, intron, and other RNAs. <i>BMC Bioinformatics</i> , <b>2002</b> , 3, 2	3.6	1094
80	Recent insights into the structure and function of the ribonucleoprotein enzyme ribonuclease P. <i>Current Opinion in Structural Biology</i> , <b>2003</b> , 13, 325-33	8.1	48
79	RSEARCH: finding homologs of single structured RNA sequences. <i>BMC Bioinformatics</i> , <b>2003</b> , 4, 44	3.6	178
78	Structure of Mth11/Mth Rpp29, an essential protein subunit of archaeal and eukaryotic RNase P. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 15398-403	11.5	46
77	Mitochondrial RNase P RNAs in ascomycete fungi: lineage-specific variations in RNA secondary structure. <i>Rna</i> , <b>2003</b> , 9, 1073-83	5.8	53
76	In vitro selection of an archaeal RNase P RNA mimics natural variation. <i>Archaea</i> , <b>2004</b> , 1, 241-5	2	3
75	Interactions between RNase P protein subunits in archaea. <i>Archaea</i> , <b>2004</b> , 1, 247-54	2	32
74	Comparative analysis of ribonuclease P RNA of the planctomycetes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 1333-1344	2.2	13
73	In search of RNase P RNA from microbial genomes. <i>Rna</i> , <b>2004</b> , 10, 1533-40	5.8	40
72	<i>Saccharomyces</i> SRP RNA secondary structures: a conserved S-domain and extended Alu-domain. <i>Rna</i> , <b>2004</b> , 10, 75-89	5.8	13

71	Evaluation of several lightweight stochastic context-free grammars for RNA secondary structure prediction. <i>BMC Bioinformatics</i> , <b>2004</b> , 5, 71	3.6	165
70	Roles of protein subunits in RNA-protein complexes: lessons from ribonuclease P. <i>Biopolymers</i> , <b>2004</b> , 73, 79-89	2.2	66
69	Prediction of consensus RNA secondary structures including pseudoknots. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2004</b> , 1, 66-77	3	34
68	A conserved element in the yeast RNase MRP RNA subunit can participate in a long-range base-pairing interaction. <i>Journal of Molecular Biology</i> , <b>2004</b> , 341, 375-88	6.5	22
67	Structural implications of novel diversity in eucaryal RNase P RNA. <i>Rna</i> , <b>2005</b> , 11, 739-51	5.8	53
66	Crystal structure of a bacterial ribonuclease P RNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 13392-7	11.5	186
65	RNA Secondary Structures. <b>2006</b> ,		1
64	Bacterial RNase P: a new view of an ancient enzyme. <i>Nature Reviews Microbiology</i> , <b>2006</b> , 4, 729-40	22.2	158
63	RNA secondary structure prediction from sequence alignments using a network of k-nearest neighbor classifiers. <i>Rna</i> , <b>2006</b> , 12, 342-52	5.8	60
62	Ribonuclease P: the evolution of an ancient RNA enzyme. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2006</b> , 41, 77-102	8.7	150
61	Functional reconstitution and characterization of <i>Pyrococcus furiosus</i> RNase P. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 16147-52	11.5	81
60	Deciphering RNA structural diversity and systematic phylogeny from microbial metagenomes. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 2283-94	20.1	10
59	Fast pairwise structural RNA alignments by pruning of the dynamical programming matrix. <i>PLoS Computational Biology</i> , <b>2007</b> , 3, 1896-908	5	91
58	Seeded tree alignment. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2008</b> , 5, 503-13	3	10
57	Compensatory evolution in RNA secondary structures increases substitution rate variation among sites. <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 1778-87	8.3	17
56	Fast and accurate search for non-coding RNA pseudoknot structures in genomes. <i>Bioinformatics</i> , <b>2008</b> , 24, 2281-7	7.2	17
55	Studies on the mechanism of inhibition of bacterial ribonuclease P by aminoglycoside derivatives. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 697-704	20.1	24
54	Studies on <i>Methanocaldococcus jannaschii</i> RNase P reveal insights into the roles of RNA and protein cofactors in RNase P catalysis. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 4172-80	20.1	43

53	Minor changes largely restore catalytic activity of archaeal RNase P RNA from <i>Methanothermobacter thermoautotrophicus</i> . <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 231-42	20.1	27
52	In vivo display of a multisubunit enzyme complex on biogenic magnetic nanoparticles. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 7734-8	4.8	25
51	RNase P RNA-mediated cleavage. <i>IUBMB Life</i> , <b>2009</b> , 61, 189-200	4.7	43
50	Broadening the mission of an RNA enzyme. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 108, 1244-51	4.7	31
49	Solution structure of an archaeal RNase P binary protein complex: formation of the 30-kDa complex between <i>Pyrococcus furiosus</i> RPP21 and RPP29 is accompanied by coupled protein folding and highlights critical features for protein-protein and protein-RNA interactions. <i>Journal of Molecular Biology</i> , <b>2009</b> , 393, 1043-55	6.5	35
48	The making of tRNAs and more - RNase P and tRNase Z. <i>Progress in Molecular Biology and Translational Science</i> , <b>2009</b> , 85, 319-68	4	104
47	The ancient history of the structure of ribonuclease P and the early origins of Archaea. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 153	3.6	40
46	Bcheck: a wrapper tool for detecting RNase P RNA genes. <i>BMC Genomics</i> , <b>2010</b> , 11, 432	4.5	22
45	Phylogenetic Utility of RNA Structure: Evolution of the RNA World and Emergence of Early Biochemistry and Diversified Life. <b>2010</b> , 329-360		3
44	Dissecting functional cooperation among protein subunits in archaeal RNase P, a catalytic ribonucleoprotein complex. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, 8316-27	20.1	43
43	Of proteins and RNA: the RNase P/MRP family. <i>Rna</i> , <b>2010</b> , 16, 1725-47	5.8	167
42	Ribosomal protein L7Ae is a subunit of archaeal RNase P. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 14573-8	11.5	66
41	The contribution of peripheral stem-loops to the catalytic activity of archaeal RNase P RNA from <i>Pyrococcus horikoshii</i> OT3. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2011</b> , 75, 816-9	2.1	4
40	Heuristic RNA pseudoknot prediction including intramolecular kissing hairpins. <i>Rna</i> , <b>2011</b> , 17, 27-38	5.8	38
39	Structural modeling of RNase P RNA of the hyperthermophilic archaeon <i>Pyrococcus horikoshii</i> OT3. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 414, 517-22	3.4	12
38	Cooperative RNP assembly: complementary rescue of structural defects by protein and RNA subunits of archaeal RNase P. <i>Journal of Molecular Biology</i> , <b>2011</b> , 411, 368-83	6.5	11
37	Archaeal-bacterial chimeric RNase P RNAs: towards understanding RNA architecture, function and evolution. <i>ChemBioChem</i> , <b>2011</b> , 12, 1536-43	3.8	6
36	Cleavage of model substrates by archaeal RNase P: role of protein cofactors in cleavage-site selection. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 1105-16	20.1	23

35	Bayesian sampling of evolutionarily conserved RNA secondary structures with pseudoknots. <i>Bioinformatics</i> , <b>2012</b> , 28, 2242-8	7.2	6
34	Thermodynamic analysis of a multifunctional RNA-binding protein, PhoRpp38, in the hyperthermophilic archaeon <i>Pyrococcus horikoshii</i> OT3. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2012</b> , 76, 1252-5	2.1	5
33	Modeling the Thermoproteaceae RNase P RNA. <i>RNA Biology</i> , <b>2012</b> , 9, 1155-60	4.8	6
32	Predicting pseudoknotted structures across two RNA sequences. <i>Bioinformatics</i> , <b>2012</b> , 28, 3058-65	7.2	4
31	Fidelity of tRNA 5' maturation: a possible basis for the functional dependence of archaeal and eukaryal RNase P on multiple protein cofactors. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 4666-80	20.1	13
30	Structural Biology of the Ribonuclease P in the Hyperthermophilic Archaeon <i>Pyrococcus horikoshii</i> OT3. <b>2012</b> , 487-508		4
29	Structural studies of RNase P. <i>Annual Review of Biophysics</i> , <b>2013</b> , 42, 537-57	21.1	49
28	Essential is not irreplaceable: fitness dynamics of experimental <i>E. coli</i> RNase P RNA heterologous replacement. <i>Journal of Molecular Evolution</i> , <b>2014</b> , 79, 143-52	3.1	1
27	Characterization of the peripheral structures of archaeal RNase P RNA from <i>Pyrococcus horikoshii</i> OT3. <i>Journal of Biochemistry</i> , <b>2014</b> , 155, 25-33	3.1	8
26	The L7Ae protein binds to two kink-turns in the <i>Pyrococcus furiosus</i> RNase P RNA. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 13328-38	20.1	12
25	A Functional Interplay between Human Immunodeficiency Virus Type 1 Protease Residues 77 and 93 Involved in Differential Regulation of Precursor Autoprocessing and Mature Protease Activity. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123561	3.7	4
24	The Diversity of Ribonuclease P: Protein and RNA Catalysts with Analogous Biological Functions. <i>Biomolecules</i> , <b>2016</b> , 6,	5.9	43
23	Polyamine/Nucleotide Coacervates Provide Strong Compartmentalization of Mg <sup>2+</sup> , Nucleotides, and RNA. <i>Langmuir</i> , <b>2016</b> , 32, 2041-9	4	84
22	Mechanistic Insights Into Catalytic RNA-Protein Complexes Involved in Translation of the Genetic Code. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2017</b> , 109, 305-353	5.3	4
21	A birth of bipartite exon by intragenic deletion. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2017</b> , 5, 287-294	2.3	3
20	A novel double kink-turn module in euryarchaeal RNase P RNAs. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 7432-7440	4.0	18
19	Insights into RNA-processing pathways and associated RNA-degrading enzymes in Archaea. <i>FEMS Microbiology Reviews</i> , <b>2018</b> , 42, 579-613	15.1	26
18	In vitro reconstitution and analysis of eukaryotic RNase P RNPs. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 6857-6868	6.8	12

17	aliFreeFold: an alignment-free approach to predict secondary structure from homologous RNA sequences. <i>Bioinformatics</i> , <b>2018</b> , 34, i70-i78	7.2	7
16	Insight into the functional role of unique determinants in RNA component of RNase P of <i>Mycobacterium tuberculosis</i> . <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 937-944	7.9	2
15	Cryo-electron microscopy structure of an archaeal ribonuclease P holoenzyme. <i>Nature Communications</i> , <b>2019</b> , 10, 2617	17.4	19
14	P finder: genomic and metagenomic annotation of RNase P RNA gene (rnpB). <i>BMC Genomics</i> , <b>2020</b> , 21, 334	4.5	
13	The RNase P Ribozyme. <b>2021</b> , 227-279		2
12	The Dynamic Network of RNP RNase P Subunits. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	0
11	The Genus <i>Erysipelothrix</i> . <b>2006</b> , 492-510		8
10	The Evolution of RNase P and Its RNA. <b>2010</b> , 17-40		5
9	Archaeal RNase P: A Mosaic of Its Bacterial and Eukaryal Relatives. <b>2010</b> , 153-172		6
8	Diversity and Evolution of RNase P. <b>2020</b> , 255-299		6
7	Seeded Tree Alignment and Planar Tanglegram Layout. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 98-110	0.9	8
6	Ribonucleoprotein Ribonucleases P and MRP. <i>Nucleic Acids and Molecular Biology</i> , <b>2011</b> , 319-342		2
5	A Dynamic 3D Graphical Representation for RNA Structure Analysis and Its Application in Non-Coding RNA Classification. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152238	3.7	4
4	Ribozymes. <b>2006</b> , 639-663		
3	Structure and Function of Archaeal Ribonuclease P. <i>Nucleic Acids and Molecular Biology</i> , <b>2017</b> , 159-175		
2	Chapter 9. A Structural Analysis of Ribonuclease P. 153-177		
1	Elucidation of structure-function relationships in <i>Methanocaldococcus jannaschii</i> RNase P, a multi-subunit catalytic ribonucleoprotein. <i>Nucleic Acids Research</i> ,	20.1	1