

Translational activation by the noncoding RNA DsrA in processing in the *rpoS* 5'â€²-leader

Rna

14, 454-459

DOI: [10.1261/rna.603108](https://doi.org/10.1261/rna.603108)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Construction of a stress-induced system in <i>Escherichia coli</i> for efficient polyhydroxyalkanoates production. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 203-208.	1.7	54
2	YmdB: a stress-responsive ribonuclease-binding regulator of <i>E. coli</i> RNase III activity. <i>Genes and Development</i> , 2008, 22, 3497-3508.	2.7	66
3	Messenger RNA Turnover Processes in <i>Escherichia coli</i> , <i>Bacillus subtilis</i> , and Emerging Studies in <i>Staphylococcus aureus</i> . <i>International Journal of Microbiology</i> , 2009, 2009, 1-15.	0.9	64
4	Post-transcriptional regulation of <i>NifA</i> expression by Hfq and RNase E complex in <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2009, 41, 719-730.	0.9	17
5	Small noncoding RNA GcvB is a novel regulator of acid resistance in <i>Escherichia coli</i> . <i>BMC Genomics</i> , 2009, 10, 165.	1.2	73
7	Activation of gene expression by small RNA. <i>Current Opinion in Microbiology</i> , 2009, 12, 674-682.	2.3	236
9	Turn-over of the small non-coding RNA RprA in <i>E. coli</i> is influenced by osmolarity. <i>Molecular Genetics and Genomics</i> , 2010, 284, 307-318.	1.0	24
10	Overexpression of a natural chloroplast-encoded antisense RNA in tobacco destabilizes 5S rRNA and retards plant growth. <i>BMC Plant Biology</i> , 2010, 10, 213.	1.6	37
11	Computational prediction and transcriptional analysis of sRNAs in <i>Nitrosomonas europaea</i> . <i>FEMS Microbiology Letters</i> , 2010, 312, 46-54.	0.7	8
12	Stabilization of <i>Clostridium perfringens</i> collagenase mRNA by VR ϵ -dependent cleavage in 5' leader sequence. <i>Molecular Microbiology</i> , 2010, 77, 1416-1428.	1.2	70
13	Small RNAs promote mRNA stability to activate the synthesis of virulence factors. <i>Molecular Microbiology</i> , 2010, 78, 1327-1331.	1.2	33
14	Translational activation of rpoS mRNA by the non-coding RNA DsrA and Hfq does not require ribosome binding. <i>Nucleic Acids Research</i> , 2010, 38, 1284-1293.	6.5	37
15	Mechanism of Positive Regulation by DsrA and RprA Small Noncoding RNAs: Pairing Increases Translation and Protects <i>rpoS</i> mRNA from Degradation. <i>Journal of Bacteriology</i> , 2010, 192, 5559-5571.	1.0	125
16	Requirement of the CsdA DEAD-box helicase for low temperature riboregulation of <i>rpoS</i> mRNA. <i>RNA Biology</i> , 2010, 7, 796-802.	1.5	40
17	The RpoS-Mediated General Stress Response in <i>Escherichia coli</i> . <i>Annual Review of Microbiology</i> , 2011, 65, 189-213.	2.9	775
19	Analysis of <i>Escherichia coli</i> RNase E and RNase III activity in vivo using tiling microarrays. <i>Nucleic Acids Research</i> , 2011, 39, 3188-3203.	6.5	112
20	Accessibility and Evolutionary Conservation Mark Bacterial Small-RNA Target-Binding Regions. <i>Journal of Bacteriology</i> , 2011, 193, 1690-1701.	1.0	76
21	Structural flexibility of RNA as molecular basis for Hfq chaperone function. <i>Nucleic Acids Research</i> , 2012, 40, 8072-8084.	6.5	29

#	ARTICLE	IF	CITATIONS
22	ncRNAs and thermoregulation: A view in prokaryotes and eukaryotes. <i>FEBS Letters</i> , 2012, 586, 4061-4069.	1.3	15
23	RNase III initiates rapid degradation of <i>proU</i> mRNA upon hypo-osmotic stress in <i>Escherichia coli</i> . <i>RNA Biology</i> , 2012, 9, 98-109.	1.5	17
24	Thermosensing to adjust bacterial virulence in a fluctuating environment. <i>Future Microbiology</i> , 2013, 8, 85-105.	1.0	33
25	Bacterial helicases in post-transcriptional control. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 878-883.	0.9	17
26	Gene expression control by selective RNA processing and stabilization in bacteria. <i>FEMS Microbiology Letters</i> , 2013, 344, 104-113.	0.7	30
27	<i>Escherichia coli</i> YmdB regulates biofilm formation independently of its role as an RNase III modulator. <i>BMC Microbiology</i> , 2013, 13, 266.	1.3	21
28	The Virulence of <i>Salmonella enterica</i> Serovar Typhimurium in the Insect Model <i>Galleria mellonella</i> Is Impaired by Mutations in RNase E and RNase III. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6124-6133.	1.4	60
29	Duplex formation between the sRNA DsrA and <i>rpoSmRNA</i> is not sufficient for efficient RpoS synthesis at low temperature. <i>RNA Biology</i> , 2013, 10, 1834-1841.	1.5	14
30	Antisense regulation by transposon-derived RNAs in the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>EMBO Reports</i> , 2013, 14, 527-533.	2.0	28
31	Complex Intra-Operonic Dynamics Mediated by a Small RNA in <i>Streptomyces coelicolor</i> . <i>PLoS ONE</i> , 2014, 9, e85856.	1.1	25
32	Small RNAs in the control of RpoS, CsgD, and biofilm architecture of <i>Escherichia coli</i> . <i>RNA Biology</i> , 2014, 11, 494-507.	1.5	146
33	Functional Conservation of RNase III-like Enzymes: Studies on a <i>Vibrio vulnificus</i> Ortholog of <i>Escherichia coli</i> RNase III. <i>Current Microbiology</i> , 2014, 68, 413-418.	1.0	0
34	<i>Clostridium difficile</i> Hfq can replace <i>Escherichia coli</i> Hfq for most of its function. <i>Rna</i> , 2014, 20, 1567-1578.	1.6	23
35	The role of RNases in the regulation of small RNAs. <i>Current Opinion in Microbiology</i> , 2014, 18, 105-115.	2.3	104
36	Multiple ways to regulate translation initiation in bacteria: Mechanisms, regulatory circuits, dynamics. <i>Biochimie</i> , 2015, 114, 18-29.	1.3	55
37	Target activation by regulatory RNAs in bacteria. <i>FEMS Microbiology Reviews</i> , 2015, 39, 362-378.	3.9	183
40	Genome-wide mRNA processing in methanogenic archaea reveals post-transcriptional regulation of ribosomal protein synthesis. <i>Nucleic Acids Research</i> , 2017, 45, 7285-7298.	6.5	35
41	RNase III Processing of rRNA in the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	19

#	ARTICLE	IF	CITATIONS
42	The fight for invincibility: Environmental stress response mechanisms and <i>Aeromonas hydrophila</i> . <i>Microbial Pathogenesis</i> , 2018, 116, 135-145.	1.3	70
43	Transcript decay mediated by RNase III in <i>Borrelia burgdorferi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 386-391.	1.0	6
44	Posttranscriptional regulation is involved in the cold-active methanol-based methanogenic pathway of a psychrophilic methanogen. <i>Environmental Microbiology</i> , 2021, 23, 3773-3788.	1.8	6
45	Toward a Comprehensive Analysis of Posttranscriptional Regulatory Networks: a New Tool for the Identification of Small RNA Regulators of Specific mRNAs. <i>MBio</i> , 2021, 12, .	1.8	12
46	Mechanisms for Hfq-Independent Activation of by DsrA, a Small RNA, in. <i>Molecules and Cells</i> , 2019, 42, 426-439.	1.0	3
47	RNase III Participates in the Adaptation to Temperature Shock and Oxidative Stress in <i>Escherichia coli</i> . <i>Microorganisms</i> , 2022, 10, 699.	1.6	3
49	Key players in regulatory RNA realm of bacteria. <i>Biochemistry and Biophysics Reports</i> , 2022, 30, 101276.	0.7	3