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Regulation of ribosome biosynthesis in Escherichia coli and Saccharomyces cerevisiae: diversity and common princi

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|-----|---|-----|-----------|
| 124 | Nucleolar dominance: uniparental gene silencing on a multi-megabase scale in genetic hybrids. <b>2000</b> , 43, 163-77  |     | 91        |
| 123 | An immediate response of ribosomal transcription to growth factor stimulation in mammals is mediated by ERK phosphorylation of UBF. <b>2001</b> , 8, 1063-73  |     | 194       |
| 122 | ERKs weigh in on ribosome mass. <b>2001</b> , 8, 932-3  |     | 2         |
| 121 | Regulation of ribosome biogenesis within the nucleolus. <b>2001</b> , 509, 145-50   |     | 96        |
| 120 | Rrb1p, a yeast nuclear WD-repeat protein involved in the regulation of ribosome biosynthesis. <b>2001</b> , 21, 1260-71   |     | 60        |
| 119 | Translation Control by Proteins. 2001,  |     |           |
| 118 | RNA polymerase I holoenzyme-promoter complexes include an associated CK2-like protein kinase. <b>2001</b> , 47, 449-59  |     | 18        |
| 117 | Gene structure and promoter function of a teleost ribosomal protein: a tilapia (Oreochromis mossambicus) L18 gene. <b>2001</b> , 1520, 195-202  |     | 5         |
| 116 | Do mRNAs act as direct sensors of small molecules to control their expression?. <b>2001</b> , 98, 9465-7  |     | 76        |
| 115 | Cross talk between tRNA and rRNA synthesis in Saccharomyces cerevisiae. <b>2001</b> , 21, 189-95  |     | 32        |
| 114 | Relating whole-genome expression data with protein-protein interactions. <b>2002</b> , 12, 37-46  |     | 509       |
| 113 | In exponentially growing Saccharomyces cerevisiae cells, rRNA synthesis is determined by the summed RNA polymerase I loading rate rather than by the number of active genes. <b>2003</b> , 23, 1558-68  |     | 251       |
| 112 | Transcriptional regulation and signature patterns revealed by microarray analyses of Streptococcus pneumoniae R6 challenged with sublethal concentrations of translation inhibitors. <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 359-70 | 3.5 | 112       |
| 111 | Post-transcriptional expression regulation in the yeast Saccharomyces cerevisiae on a genomic scale. <b>2004</b> , 3, 1083-92   |     | 186       |
| 110 | Molecular cloning and characterization of a cDNA encoding the Paracoccidioides brasiliensis 135 ribosomal protein. <b>2004</b> , 42, 217-21   |     | 2         |
| 109 | CTD kinase I is involved in RNA polymerase I transcription. <b>2004</b> , 32, 5851-60   |     | 15        |
| 108 | Silencing of ribosomal protein L3 genes in N. tabacum reveals coordinate expression and significant alterations in plant growth, development and ribosome biogenesis. <b>2004</b> , 39, 29-44   |     | 38        |

| 107 | Targeted mRNA degradation by deadenylation-independent decapping. 2004, 15, 5-15   | 117 |
|-----|--|-----|
| 106 | Myc-dependent regulation of ribosomal RNA synthesis during Drosophila development. <b>2005</b> , 7, 295-302  | 302 |
| 105 | Human ribosomal protein S26 suppresses the splicing of its pre-mRNA. <b>2005</b> , 1727, 134-40  | 27  |
| 104 | Analysis of the precursor rRNA fractions of rapidly growing mycobacteria: quantification by methods that include the use of a promoter (rrnA P1) as a novel standard. <i>Journal of Bacteriology</i> , 3.5 <b>2005</b> , 187, 534-43 | 11  |
| 103 | Review of procaryote metabolism in view of modeling microbial adaptation from fast growth to starvation conditions. <b>2005</b> , 4, 517-532   | 7   |
| 102 | The Functional Significance of Ribosomal (r)DNA Variation: Impacts on the Evolutionary Ecology of Organisms. <b>2005</b> , 36, 219-242   | 117 |
| 101 | Global analysis of mRNA stability in the archaeon Sulfolobus. 2006, 7, R99   | 69  |
| 100 | Ribosomal protein S24 gene is mutated in Diamond-Blackfan anemia. <b>2006</b> , 79, 1110-8   | 233 |
| 99  | Ribosomal protein gene regulation: what about plants?. <b>2006</b> , 84, 342-362   | 36  |
| 98  | Mapping contacts of the S12-S7 intercistronic region of str operon mRNA with ribosomal protein S7 of E. coli. <b>2006</b> , 580, 5858-62   | 6   |
| 97  | Potassium glutamate as a transcriptional inhibitor during bacterial osmoregulation. 2006, 25, 1515-21  | 74  |
| 96  | Phosphate acquisition genes in Prochlorococcus ecotypes: evidence for genome-wide adaptation. <b>2006</b> , 103, 12552-7   | 244 |
| 95  | Rate of elimination of Wolbachia pipientis by doxycycline in vitro increases following drug withdrawal. <b>2006</b> , 50, 922-7  | 19  |
| 94  | Ribosome biogenesis and the translation process in Escherichia coli. <b>2007</b> , 71, 477-94  | 271 |
| 93  | Translation Control by Proteins. 2007,   |     |
| 92  | Drosophila TIF-IA is required for ribosome synthesis and cell growth and is regulated by the TOR pathway. <b>2007</b> , 179, 1105-13   | 75  |
| 91  | Regulation of rRNA synthesis by TATA-binding protein-associated factor Mot1. <b>2007</b> , 27, 2886-96   | 11  |
| 90  | Chapter 3 Fixed to Translation: A Recollection. <b>2007</b> , 69-354   |     |

| 89             | Improving intracellular production of recombinant protein in Pichia pastoris using an optimized preinduction glycerol-feeding scheme. <b>2008</b> , 78, 257-64   | 15  |
|----------------|--|-----|
| 88             | Selection of random RNA fragments as method for searching for a site of regulation of translation of E. coli streptomycin mRNA by ribosomal protein S7. <b>2008</b> , 73, 652-9                              | 2   |
| 87             | Requirements for translation re-initiation in Escherichia coli: roles of initiator tRNA and initiation factors IF2 and IF3. <b>2008</b> , 67, 1012-26  | 10  |
| 86             | Two RNA polymerase I subunits control the binding and release of Rrn3 during transcription. <b>2008</b> , 28, 1596-605   | 60  |
| 85             | Coordination of growth rate, cell cycle, stress response, and metabolic activity in yeast. 2008, 19, 352-67  | 405 |
| 84             | Recombineering with tolC as a selectable/counter-selectable marker: remodeling the rRNA operons of Escherichia coli. <b>2008</b> , 36, e4  | 56  |
| 83             | A new regulatory circuit in ribosomal protein operons: S2-mediated control of the rpsB-tsf expression in vivo. <b>2008</b> , 14, 1882-94   | 46  |
| 82             | Discerning static and causal interactions in genome-wide reverse engineering problems. <b>2008</b> , 24, 1510-5  | 26  |
| 81             | Genome-scale reconstruction of Escherichia colis transcriptional and translational machinery: a knowledge base, its mathematical formulation, and its functional characterization. <b>2009</b> , 5, e1000312 | 143 |
| 80             | Coordination of gene expression with growth rate: a feedback or a feed-forward strategy?. <b>2009</b> , 583, 3974-8  | 32  |
| 79             | Conservation of regulatory elements controlling the expression of the rpsB-tsf operon in Eproteobacteria. <b>2009</b> , 43, 101-107  | 10  |
| 78             | Impact of genome reduction on bacterial metabolism and its regulation. <b>2009</b> , 326, 1263-8   | 229 |
| 77             | How common are extraribosomal functions of ribosomal proteins?. <b>2009</b> , 34, 3-11   | 485 |
| 76             | Mapping the ribosomal protein S7 regulatory binding site on mRNA of the E. coli streptomycin operon. <b>2010</b> , 75, 841-50  |     |
| 75             | Costs and constraints from time-delayed feedback in small gene regulatory motifs. 2010, 107, 8171-6  | 12  |
| 74             | Comparative analyses of time-course gene expression profiles of the long-lived sch9Delta mutant. <b>2010</b> , 38, 143-58  | 16  |
| 73             | Functional characterization of alternate optimal solutions of Escherichia coliss transcriptional and translational machinery. <b>2010</b> , 98, 2072-81  | 46  |
| 7 <sup>2</sup> | Are ribosomal proteins present at transcription sites on or off ribosomal subunits?. <b>2010</b> , 38, 1543-7  | 8   |

| Speculations on the initiation of chromosome replication in Escherichia coli: the dualism hypothesis. <b>2011</b> , 76, 706-16   | 10   |
|--|--|
| A dynamic model of proteome changes reveals new roles for transcript alteration in yeast. <b>2011</b> , 7, 514   | 208  |
| An inventory of the bacterial macromolecular components and their spatial organization. <b>2011</b> , 35, 395-414  | 53   |
| Extraribosomal functions of bacterial ribosomal proteins. <b>2011</b> , 45, 739-750  | 38   |
| Genetic circuit performance under conditions relevant for industrial bioreactors. 2012, 1, 555-64  | 75   |
| Protection of extraribosomal RPL13a by GAPDH and dysregulation by S-nitrosylation. <b>2012</b> , 47, 656-63  | 58   |
| Sample pooling obscures diversity patterns in intertidal ciliate community composition and structure. <b>2012</b> , 79, 741-50   | 11   |
| Increase in rRNA content in a Saccharomyces cerevisiae suppressor strain from rrn10 disruptant by rDNA cluster duplication. <b>2013</b> , 97, 9011-9   | 2  |
| Silencing of the nuclear RPS10 gene encoding mitochondrial ribosomal protein alters translation in arabidopsis mitochondria. <b>2013</b> , 25, 1855-67   | 46   |
| Involvement of cyclic AMP receptor protein in regulation of the rmf gene encoding the ribosome modulation factor in Escherichia coli. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 2212-9 | 37   |
| Biomolecular resource utilization in elementary cell-free gene circuits. 2013,   | 13   |
| Studies on the assembly characteristics of large subunit ribosomal proteins in S. cerevisae. <i>PLoS ONE</i> , <b>2013</b> , 8, e68412   | 41   |
| Conditional inactivation of Upstream Binding Factor reveals its epigenetic functions and the existence of a somatic nucleolar precursor body. <b>2014</b> , 10, e1004505                         | 47   |
| Isolation of genes conferring salt tolerance from Piriformospora indica by random overexpression in Escherichia coli. <b>2015</b> , 31, 1195-209   | 10   |
| Bicistronic mRNAs to enhance membrane protein overexpression. <b>2015</b> , 427, 943-954   | 7  |
| Organellar maturases: A window into the evolution of the spliceosome. <b>2015</b> , 1847, 798-808  | 44   |
| Proteome reallocation in Escherichia coli with increasing specific growth rate. <b>2015</b> , 11, 1184-93  | 75   |
| Chaos and Hyperchaos in a Model of Ribosome Autocatalytic Synthesis. <b>2016</b> , 6, 38870  | 12   |
|  | A dynamic model of proteome changes reveals new roles for transcript alteration in yeast. 2011, 7, 514  An inventory of the bacterial macromolecular components and their spatial organization. 2011, 35, 395-414  Extraribosomal functions of bacterial ribosomal proteins. 2011, 45, 739-750  Genetic circuit performance under conditions relevant for industrial bioreactors. 2012, 1, 555-64  Protection of extraribosomal RPL13a by GAPDH and dysregulation by S-nitrosylation. 2012, 47, 656-63  Sample pooling obscures diversity patterns in intertidal ciliate community composition and structure. 2012, 79, 741-50  Increase in rRNA content in a Saccharomyces cerevisiae suppressor strain from rrn10 disruptant by rDNA cluster duplication. 2013, 97, 9011-9  Silencing of the nuclear RPS10 gene encoding mitochondrial ribosomal protein alters translation in arabidopsis mitochondria. 2013, 25, 1855-67  Involvement of cyclic AMP receptor protein in regulation of the rmf gene encoding the ribosome modulation factor in Escherichia coli. Journal of Bacterialogy, 2013, 195, 2212-9  Biomolecular resource utilization in elementary cell-free gene circuits. 2013,  Studies on the assembly characteristics of large subunit ribosomal proteins in S. cerevisae. PLoS ONE, 2013, 8, e68412  Conditional inactivation of Upstream Binding Factor reveals its epigenetic functions and the existence of a somatic nucleolar precursor body. 2014, 10, e1004505  Isolation of genes conferring salt tolerance from Piriformospora indica by random overexpression in Escherichia coli. 2015, 31, 1195-209  Bicistronic mRNAs to enhance membrane protein overexpression. 2015, 427, 943-954  Organellar maturases: A window into the evolution of the spliceosome. 2015, 1847, 798-808  Proteome reallocation in Escherichia coli with increasing specific growth rate. 2015, 11, 1184-93 |

| 53 | rRNA Operon Copy Number Can Explain the Distinct Epidemiology of Hospital-Associated Methicillin-Resistant Staphylococcus aureus. <b>2016</b> , 60, 7313-7320  | 3  |
|----|--|----|
| 52 | Patterns of ribosomal protein expression specify normal and malignant human cells. <b>2016</b> , 17, 236   | 97 |
| 51 | Exposure of to low-shear modeled microgravity: effect on growth, the transcriptome and survival under stress. <b>2016</b> , 2, 16038   | 17 |
| 50 | Global analysis of the impact of linezolid onto virulence factor production in S. aureus USA300. <b>2016</b> , 306, 131-40   | 8  |
| 49 | A synthetic gene circuit for measuring autoregulatory feedback control. <b>2016</b> , 8, 546-55  | 7  |
| 48 | Temperature-dependent regulation of rDNA condensation in Saccharomyces cerevisiae. <b>2017</b> , 16, 1118-1127   | 9  |
| 47 | Competition for amino acid flux among translation, growth and detoxification in bacteria. <b>2018</b> , 15, 991-994  | 4  |
| 46 | Life and Death of Ribosomes in Archaea. <b>2017</b> , 129-158  | 10 |
| 45 | Predicting the dynamics of bacterial growth inhibition by ribosome-targeting antibiotics. <b>2017</b> , 14, 065005   | 15 |
| 44 | Emerging Roles of Mitochondrial Ribosomal Proteins in Plant Development. <b>2017</b> , 18,   | 18 |
| 43 | The Absence of the Transcription Factor Yrr1p, Identified from Comparative Genome Profiling, Increased Vanillin Tolerance Due to Enhancements of ABC Transporters Expressing, rRNA  Processing and Ribosome Biogenesis in. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 367 | 10 |
| 42 | The RNA-binding protein Hfq is important for ribosome biogenesis and affects translation fidelity. <b>2018</b> , 37,   | 53 |
| 41 | The GAIT translational control system. <b>2018</b> , 9, e1441  | 28 |
| 40 | Fitness advantages conferred by the L20-interacting RNA -regulator of ribosomal protein synthesis in. <b>2018</b> , 24, 1133-1143  | 3  |
| 39 | Decoupling Yeast Cell Division and Stress Defense Implicates mRNA Repression in Translational Reallocation during Stress. <b>2018</b> , 28, 2673-2680.e4   | 20 |
| 38 | Linear Regression Links Transcriptomic Data and Cellular Raman Spectra. <b>2018</b> , 7, 104-117.e4  | 13 |
| 37 | Identifying the Growth Modulon of. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 974  | 2  |
| 36 | Puf6 and Loc1 Are the Dedicated Chaperones of Ribosomal Protein Rpl43 in. <b>2019</b> , 20,  | 4  |

## (2017-2019)

| 35                         | Effect of amino acids on transcription and translation of key genes in E. coli K and B grown at a steady state in minimal medium. <b>2019</b> , 49, 120-128   |          | 6                        |
|----------------------------|---|----------|--------------------------|
| 34                         | A versatile cis-acting element reporter system to study the function, maturation and stability of ribosomal RNA mutants in archaea. <b>2020</b> , 48, 2073-2090   |          | 9                        |
| 33                         | Nascent Transcript Folding Plays a Major Role in Determining RNA Polymerase Elongation Rates. <b>2020</b> , 79, 488-503.e11   |          | 18                       |
| 32                         | Antibiotics targeting bacterial ribosomal subunit biogenesis. <b>2020</b> , 75, 787-806   |          | 3                        |
| 31                         | Bimodal stringence-mediated response of metal-detecting luminescent whole cell bioreporters: Experimental evidence and quantitative theory. <b>2020</b> , 309, 127751   |          | 3                        |
| 30                         | Posttranscriptional Regulation of by Protein-RNA Interaction Mediated by Ribosomal Protein L4 in Escherichia coli. <i>Journal of Bacteriology</i> , <b>2020</b> , 202,  | 3.5      | 3                        |
| 29                         | Structural basis of ribosomal RNA transcription regulation. <b>2021</b> , 12, 528   |          | 11                       |
| 28                         | Growth laws and invariants from ribosome biogenesis in lower Eukarya. <b>2021</b> , 3,  |          | 2                        |
| 27                         | High resolution RNA-seq profiling of genes encoding ribosomal proteins across different organs and developmental stages in. <b>2021</b> , 5, e00320   |          | 2                        |
|                            |   |          |                          |
| 26                         | Ribosome Biogenesis in Archaea. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 686977   | 5.7      | 4                        |
| 26<br>25                   | Ribosome Biogenesis in Archaea. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 686977  Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from a Soil Actinobacterium.  | 5.7      | 1                        |
|                            | Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from   | 5·7<br>4 |                          |
| 25                         | Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from a Soil Actinobacterium.  Yeast frameshift suppressor mutations in the genes coding for transcription factor Mbf1p and   |          | 1                        |
| 25<br>24                   | Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from a Soil Actinobacterium.  Yeast frameshift suppressor mutations in the genes coding for transcription factor Mbf1p and ribosomal protein S3: evidence for autoregulation of S3 synthesis. <i>Genetics</i> , <b>2001</b> , 157, 1141-58  Identification of a role for Saccharomyces cerevisiae Cgr1p in pre-rRNA processing and 60S   | 4        | 1 28                     |
| 25<br>24<br>23             | Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from a Soil Actinobacterium.  Yeast frameshift suppressor mutations in the genes coding for transcription factor Mbf1p and ribosomal protein S3: evidence for autoregulation of S3 synthesis. <i>Genetics</i> , 2001, 157, 1141-58  Identification of a role for Saccharomyces cerevisiae Cgr1p in pre-rRNA processing and 60S ribosome subunit synthesis. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1081-1090   | 4        | 1<br>28<br>24            |
| 25<br>24<br>23<br>22       | Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from a Soil Actinobacterium.  Yeast frameshift suppressor mutations in the genes coding for transcription factor Mbf1p and ribosomal protein S3: evidence for autoregulation of S3 synthesis. <i>Genetics</i> , 2001, 157, 1141-58  Identification of a role for Saccharomyces cerevisiae Cgr1p in pre-rRNA processing and 60S ribosome subunit synthesis. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1081-1090  Structural basis of ribosomal RNA transcription regulation.  Ribosomal RNA genes, RNA polymerases, nucleolar structures, and synthesis of rRNA in the yeast  | 2.9      | 1<br>28<br>24            |
| 25<br>24<br>23<br>22<br>21 | Proteomic Signatures of Microbial Adaptation to the Highest UV-Irradiation on Earth: Lessons from a Soil Actinobacterium.  Yeast frameshift suppressor mutations in the genes coding for transcription factor Mbf1p and ribosomal protein S3: evidence for autoregulation of S3 synthesis. <i>Genetics</i> , 2001, 157, 1141-58  Identification of a role for Saccharomyces cerevisiae Cgr1p in pre-rRNA processing and 60S ribosome subunit synthesis. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1081-1090  Structural basis of ribosomal RNA transcription regulation.  Ribosomal RNA genes, RNA polymerases, nucleolar structures, and synthesis of rRNA in the yeast Saccharomyces cerevisiae. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2001, 66, 555-65  Measurement of the rates of synthesis of three components of ribosomes of Mycobacterium | 3.9      | 1<br>28<br>24<br>1<br>59 |

| 17 | Ribosomal proteins as unrevealed caretakers for cellular stress and genomic instability. <i>Oncotarget</i> , <b>2014</b> , 5, 860-71  | 3.3 | 61 |
|----|---|-----|----|
| 16 | A ribosome assembly stress response regulates transcription to maintain proteome homeostasis. <i>ELife</i> , <b>2019</b> , $8$ ,  | 8.9 | 55 |
| 15 | Nucleolar dominance: uniparental gene silencing on a multi-megabase scale in genetic hybrids. <b>2000</b> , 43-57   |     | 1  |
| 14 | Nucleolus.  |     |    |
| 13 | Posttranscriptional Control of Gene Expression and Role of Small RNAs in <i>Streptococcus mutans</i>. <i>Advances in Microbiology</i> , <b>2018</b> , 08, 138-160   | 0.6 |    |
| 12 | A ribosome assembly stress response regulates transcription to maintain proteome homeostasis.   |     | 1  |
| 11 | Growth-laws and invariants from ribosome biogenesis in lower Eukarya.   |     |    |
| 10 | Identification of Novel RNA-Protein Contact in Complex of Ribosomal Protein S7 and 3STerminal Fragment of 16S rRNA in E. coli. <i>Acta Naturae</i> , <b>2012</b> , 4, 65-72   | 2.1 |    |
| 9  | Translation Control by Proteins. 2, 1-10  |     |    |
| 8  | Translational demand is not a major source of plasmid-associated fitness costs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2022</b> , 377, 20200463   | 5.8 | 4  |
| 7  | Looking through the lens of the ribosome biogenesis evolutionary history: possible implications for archaeal phylogeny and eukaryogenesis <i>Molecular Biology and Evolution</i> , <b>2022</b> ,                                      | 8.3 | 2  |
| 6  | Proteomic Signatures of Microbial Adaptation to the Highest Ultraviolet-Irradiation on Earth: Lessons From a Soil Actinobacterium <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 791714   | 5.7 | 1  |
| 5  | Phenotypic Characterization and Comparative Genomics of the Melanin-Producing Yeast Reveals a Distinct Stress Tolerance Profile and Reduced Ribosomal Genetic Content <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7, | 5.6 | 0  |
| 4  | The electronic tree of life (eToL): a net of long probes to characterize the microbiome from RNA-seq data. <b>2022</b> , 22,  |     | O  |
| 3  | At the Crossroad of Nucleotide Dynamics and Protein Synthesis in Bacteria. 2023, 87,  |     | 0  |
| 2  | How total mRNA influences cell growth.  |     | O  |
| 1  | Genome-scale metabolic modeling reveals metabolic trade-offs associated with lipid production in Rhodotorula toruloides. <b>2023</b> , 19, e1011009   |     | 0  |