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CONTENTS

Bioinformatics

The universally conserved nucleotides of the small subunit ribosomal RNAs 623
Harry F. Noller, John Paul Donohue, and Robin R. Gutell

Tailer: a pipeline for sequencing-based analysis of nonpolyadenylated RNA 3' end processing 645^{OA}
Tim Nicholson-Shaw and Jens Lykke-Andersen

Report

Yeast Dxo1 is required for 25S rRNA maturation and acts as a transcriptome-wide distributive exonuclease 657
Jennifer E. Hurtig and Ambro van Hoof

Articles

Precise gene models using long-read sequencing reveal a unique poly(A) signal in *Giardia lamblia* 668^{OA}
Danielle Y. Bilodeau, Ryan M. Sheridan, Balu Balan, Aaron R. Jex, and Olivia S. Rissland

Effects of transgene insertion loci and copy number on *Dnmt3L* gene silencing through antisense transgene-derived PIWI-interacting RNAs 683^{OA}
SePil Lee, Satomi Kuramochi-Miyagawa, Ippei Nagamori, and Toru Nakano

Identification and mapping of post-transcriptional modifications on the HIV-1 antisense transcript *Ast* in human cells 697
Mariana Estevez, Rui Li, Biplab Paul, Kaveh Daneshvar, Alan C. Mullen, Fabio Romerio, and Balasubrahmanyam Addepalli

(continued)

Cover Illustration: *Fusobacterium ulcerans* ZTP riboswitch bound to ZMP analog (PDB id: 6WZR; Tran B, Pichling P, Tenney L, Connelly CM, Moon MH, Ferre-D'Amare AR, Schneekloth JS Jr, Jones CP. 2020. Parallel discovery strategies provide a basis for riboswitch ligand design. *Cell Chem Biol* **27**:1241–1249.e4). Bacterial riboswitches that specifically recognize 5-aminoimidazole-4-carboxamide riboside 5'-monophosphate (ZMP) and 5'-triphosphate (ZTP) regulate genes involved in folate and purine metabolism. The co-crystal structure of the *Fusobacterium ulcerans* ZTP riboswitch bound to a ZMP analog suggests that stacking of the pyridine moiety on a conserved riboswitch nucleobase accounts for threefold higher gene expression activity. RNA backbone is displayed as a red ribbon; lock bases use NDB colors: A—red, C—yellow, G—green, U—cyan. ZMP analog [5-amino-1-(pyridin-4-yl)-1H-imidazole-4-carboxamide] is shown as spheres. Cover image provided by the Nucleic Acid Database (ndbserver.rutgers.edu). Image generated using DSSR and PyMOL (Lu XJ. 2020. *Nucleic Acids Res* **48**: e74).

The Pet127 protein is a mitochondrial 5'-to-3' exoribonuclease from the PD-(D/E)XK superfamily involved in RNA maturation and intron degradation in yeasts	711 ^{OA}
<i>Karolina Łabędzka-Dmoch, Michal Rażew, Marta Gapińska, Jakub Piątkowski, Adam Kolondra, Hanna Salmonowicz, Joanna M. Wenda, Marcin Nowotny, and Paweł Golik</i>	
Correlated sequence signatures are present within the genomic 5'UTR RNA and NSP1 protein in coronaviruses	729 ^{OA}
<i>Piotr Sosnowski, Antonin Tidu, Gilbert Eriani, Eric Westhof, and Franck Martin</i>	
Vault RNA1–1 riboregulates the autophagic function of p62 by binding to lysine 7 and arginine 21, both of which are critical for p62 oligomerization	742 ^{OA}
<i>Magdalena Büscher, Rastislav Horos, Ina Huppertz, Kevin Haubrich, Nikolay Dobrev, Florence Baudin, Janosch Hennig, and Matthias W. Hentze</i>	
Oppositional poly(A) tail length regulation by FMRP and CPEB1	756
<i>Jihae Shin, Ki Young Paek, Lies Chikhaoui, Suna Jung, SitharaRaju Ponny, Yutaka Suzuki, Kiran Padmanabhan, and Joel D. Richter</i>	
The key features of SARS-CoV-2 leader and NSP1 required for viral escape of NSP1-mediated repression	766 ^{OA}
<i>Lucija Bujanic, Olga Shevchuk, Nicolai von Kugelgen, Anna Kalinina, Katarzyna Ludwik, David Koppstein, Nadja Zerna, Albert Sickmann, and Marina Chekulaeva</i>	
RNA: Instructions for contributors	780

^{OA}Open Access paper