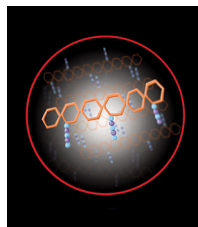


CONTENTS • APRIL 2021 • VOLUME 203, NO. 7

COVER IMAGE



Cover photograph: The peptidoglycan of the bacterial cell wall under the spotlight. The structure is a weak spot frequently targeted during interbacterial competition. Sugar backbones are represented by orange hexagons, and peptide chains are represented by blue spheres. (Photo courtesy of Julia Takuno Hespagnol, Universidade de São Paulo, São Paulo, Brazil.) (See related article at [e00478-20](#).) (Copyright © 2021 American Society for Microbiology. All Rights Reserved.)

SPOTLIGHT

Articles of Significant Interest in This Issue e00054-21

COMMENTARY

A First Look at the Essential Genes of *Pseudomonas protegens* e00698-20
Bradley E. Poulsen

MINIREVIEW

Targeting the Achilles' Heel of Bacteria: Different Mechanisms To Break Down the Peptidoglycan Cell Wall during Bacterial Warfare e00478-20
Stephanie Sibinelli-Sousa, Julia Takuno Hespagnol, Ethel Bayer-Santos

RESEARCH ARTICLES

Glycosyltransferases within the *psrP* Locus Facilitate Pneumococcal Virulence e00389-20
Dustin R. Middleton, Javid Aceil, Seema Mustafa, Amy V. Paschall, Fikri Y. Avci

Dual Control of Flagellar Synthesis and Exopolysaccharide Production by FlbD-FliX Class II Regulatory Proteins in *Bradyrhizobium diazoefficiens* e00403-20
Carolina Dardis, J. Ignacio Quelas, Florencia Mengucci, M. Julia Althabegoiti, Aníbal R. Lodeiro, Elías J. Mongiardini

Elucidating Essential Genes in Plant-Associated *Pseudomonas protegens* Pf-5 Using Transposon Insertion Sequencing e00432-20
Belinda K. Fabian, Christie Foster, Amy J. Asher, Liam D. H. Elbourne, Amy K. Cain, Karl A. Hassan, Sasha G. Tetu, Ian T. Paulsen

The Phosphatidyl-*myo*-Inositol Dimannoside Acyltransferase PatA Is Essential for *Mycobacterium tuberculosis* Growth *In Vitro* and *In Vivo* e00439-20
Francesca Boldrin, Itxaso Anso, Sogol Alebouyeh, Iker A. Sevilla, Mariví Geijo, Joseba M. Garrido, Alberto Marina, Laura Cioetto Mazzabò, Greta Segafreddo, Marcelo E. Guerin, Riccardo Manganelli, Rafael Prados-Rosales

Optimized Genetic Tools Allow the Biosynthesis of Glycocin F and Analogues Designed To Test the Roles of *gcc* Cluster Genes in Bacteriocin Production e00529-20
Brittany J. Drummond, Trevor S. Loo, Mark L. Patchett, Gillian E. Norris

***Clostridium perfringens* Produces an Adhesive Pilus Required for the Pathogenesis of Necrotic Enteritis in Poultry** e00578-20
D. Lepp, Y. Zhou, S. Ojha, I. Mehdizadeh Gohari, J. Carere, C. Yang, J. F. Prescott, J. Gong

- Alkaline pH Increases Swimming Speed and Facilitates Mucus Penetration for *Vibrio cholerae*** e00607-20
Nguyen T. Q. Nhu, John S. Lee, Helen J. Wang, Yann S. Dufour
- TK1211 Encodes an Amino Acid Racemase towards Leucine and Methionine in the Hyperthermophilic Archaeon *Thermococcus kodakarensis*** e00617-20
Ren-Chao Zheng, Xia-Feng Lu, Hiroya Tomita, Shin-ichi Hachisuka, Yu-Guo Zheng, Haruyuki Atomi
- De Novo Cobalamin Biosynthesis, Transport, and Assimilation and Cobalamin-Mediated Regulation of Methionine Biosynthesis in *Mycobacterium smegmatis*** e00620-20
Terry Kipkorir, Gabriel T. Mashabela, Timothy J. de Wet, Anastasia Koch, Lubbe Wiesner, Valerie Mizrahi, Digby F. Warner
- TusA Is a Versatile Protein That Links Translation Efficiency to Cell Division in *Escherichia coli*** e00659-20
Tugba Yildiz, Silke Leimkühler
- Staphylococcus aureus* Trigger Factor Is Involved in Biofilm Formation and Cooperates with the Chaperone PpiB** e00681-20
Rebecca A. Keogh, Rachel L. Zapf, Andrew Frey, Emily C. Marino, Gillian G. Null, Richard E. Wiemels, Donald L. Holzschu, Lindsey N. Shaw, Ronan K. Carroll