

TABLE OF CONTENTS

SPOTLIGHT

- Articles of Significant Interest Selected from This Issue by the Editors 2249

COMMENTARY

- Iron-Mediated Control of *Pseudomonas aeruginosa*-*Staphylococcus aureus* Interactions in the Cystic Fibrosis Lung Patricia M. Barnabie, Marvin Whiteley 2250–2251

ARTICLES

- Coculture of *Staphylococcus aureus* with *Pseudomonas aeruginosa* Drives *S. aureus* towards Fermentative Metabolism and Reduced Viability in a Cystic Fibrosis Model Laura M. Filkins, Jyoti A. Graber, Daniel G. Olson, Emily L. Dolben, Lee R. Lynd, Sabin Bhujju, George A. O'Toole 2252–2264
- Iron Depletion Enhances Production of Antimicrobials by *Pseudomonas aeruginosa* Angela T. Nguyen, Jace W. Jones, Max A. Ruge, Maureen A. Kane, Amanda G. Oglesby-Sherrouse 2265–2275
- Spore Cortex Hydrolysis Precedes Dipicolinic Acid Release during *Clostridium difficile* Spore Germination Michael B. Francis, Charlotte A. Allen, Joseph A. Sorg 2276–2283
- S-Inosyl-L-Homocysteine Hydrolase, a Novel Enzyme Involved in S-Adenosyl-L-Methionine Recycling Danielle Miller, Huimin Xu, Robert H. White 2284–2291
- Escherichia coli* YqjA, a Member of the Conserved DedA/Tvp38 Membrane Protein Family, Is a Putative Osmosensing Transporter Required for Growth at Alkaline pH Sujeet Kumar, William T. Doerrler 2292–2300
- Role and Function of LitR, an Adenosyl B₁₂-Bound Light-Sensitive Regulator of *Bacillus megaterium* QM B1551, in Regulation of Carotenoid Production Hideaki Takano, Kou Mise, Kenta Hagiwara, Naoya Hirata, Shoko Watanabe, Minami Toriyabe, Hatsumi Shiratori-Takano, Kenji Ueda 2301–2315
- Activation of Toxin-Antitoxin System Toxins Suppresses Lethality Caused by the Loss of σ^E in *Escherichia coli* Yasushi Daimon, Shin-ichiro Narita, Yoshinori Akiyama 2316–2324
- Role of Spermidine in Overwintering of Cyanobacteria Xiangzhi Zhu, Qiong Li, Chuntao Yin, Xiantao Fang, Xudong Xu 2325–2334
- The All-Alpha Domains of Coupling Proteins from the *Agrobacterium tumefaciens* VirB/VirD4 and *Enterococcus faecalis* pCF10-Encoded Type IV Secretion Systems Confer Specificity to Binding of Cognate DNA Substrates Neal Whitaker, Yuqing Chen, Simon J. Jakubowski, Mayukh K. Sarkar, Feng Li, Peter J. Christie 2335–2349
- Intraspecies Competition in *Serratia marcescens* Is Mediated by Type VI-Secreted Rhs Effectors and a Conserved Effector-Associated Accessory Protein Juliana Alcoforado Diniz, Sarah J. Coulthurst 2350–2360
- Characterization of the Dynamic Germination of Individual *Clostridium difficile* Spores Using Raman Spectroscopy and Differential Interference Contrast Microscopy Shiwei Wang, Aimee Shen, Peter Setlow, Yong-qing Li 2361–2373
- Replication Restart after Replication-Transcription Conflicts Requires RecA in *Bacillus subtilis* Samuel Million-Weaver, Ariana Nakta Samadpour, Houra Merrikh 2374–2382
- Novel Transcriptional Regulons for Autotrophic Cycle Genes in *Crenarchaeota* Semen A. Leyn, Irina A. Rodionova, Xiaoqing Li, Dmitry A. Rodionov 2383–2391
- The PduL Phosphotransacylase Is Used To Recycle Coenzyme A within the Pdu Microcompartment Yu Liu, Julien Jorda, Todd O. Yeates, Thomas A. Bobik 2392–2399

<i>Bacillus anthracis</i> Overcomes an Amino Acid Auxotrophy by Cleaving Host Serum Proteins	Austen Terwilliger, Michelle C. Swick, Kathryn J. Pflughoeft, Andrei Pomerantsev, C. Rick Lyons, Theresa M. Koehler, Anthony Maresso	2400–2411
In <i>Salmonella enterica</i>, Ethanolamine Utilization Is Repressed by 1,2-Propanediol To Prevent Detrimental Mixing of Components of Two Different Bacterial Microcompartments	Ryan Sturms, Nicholas A. Streauslin, Shouqiang Cheng, Thomas A. Bobik	2412–2421
Gene Transfer Efficiency in Gonococcal Biofilms: Role of Biofilm Age, Architecture, and Pilin Antigenic Variation	Nadzeya Kouzel, Enno R. Oldewurtel, Berenike Maier	2422–2431
Immunogold Localization of Key Metabolic Enzymes in the Anammoxosome and on the Tubule-Like Structures of <i>Kuenenia stuttgartiensis</i>	Naomi M. de Almeida, Sarah Neumann, Rob J. Mesman, Christina Ferousi, Jan T. Keltjens, Mike S. M. Jetten, Boran Kartal, Laura van Niftrik	2432–2441
Induction of the Nitrate Assimilation <i>nirA</i> Operon and Protein-Protein Interactions in the Maturation of Nitrate and Nitrite Reductases in the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120	José E. Frías, Enrique Flores	2442–2452