

APPLIED AND ENVIRONMENTAL MICROBIOLOGY

Volume 75

April 2009

No. 7

BIOTECHNOLOGY

- | | | |
|---|---|-----------|
| Engineering a Synthetic Dual-Organism System for Hydrogen Production | Zeev Waks and Pamela A. Silver | 1867–1875 |
| Molecular Fingerprinting by PCR-Denaturing Gradient Gel Electrophoresis Reveals Differences in the Levels of Microbial Diversity for Musty-Earthy Tainted Corks | Chantal Prat, Olaya Ruiz-Rueda, Rosalia Trias, Enriqueta Anticó, Dimitra Capone, Mark Sefton, and Lluís Bañeras | 1922–1931 |
| One-Step Production of Immobilized α -Amylase in Recombinant <i>Escherichia coli</i> | Indira A. Rasiah and Bernd H. A. Rehm | 2012–2016 |

ENVIRONMENTAL MICROBIOLOGY

- | | | |
|---|---|-----------|
| Transcription Analysis of Genes Encoding Homologues of Reductive Dehalogenases in " <i>Dehalococcoides</i> " sp. Strain CBDB1 by Using Terminal Restriction Fragment Length Polymorphism and Quantitative PCR | Anke Wagner, Lorenz Adrian, Sabine Kleinsteinuber, Jan R. Andreesen, and Ute Lechner | 1876–1884 |
| Effects of Biocides and Other Metal Removal Fluid Constituents on <i>Mycobacterium immunogenum</i> | Joseph O. Falkinham III | 2057–2061 |
| Structural Analysis of Biofilm Formation by Rapidly and Slowly Growing Nontuberculous Mycobacteria | Margaret M. Williams, Mitchell A. Yakus, Matthew J. Arduino, Robert C. Cooksey, Christina B. Crane, Shailen N. Banerjee, Elizabeth D. Hilborn, and Rodney M. Donlan | 2091–2098 |
| Dynamics of Polyphosphate-Accumulating Bacteria in Wastewater Treatment Plant Microbial Communities Detected via DAPI (4',6'-Diamidino-2-Phenylindole) and Tetracycline Labeling | S. Günther, M. Trutnau, S. Kleinsteinuber, G. Hause, T. Bley, I. Röske, H. Harms, and S. Müller | 2111–2121 |
| Enhanced Selenate Accumulation in <i>Cupriavidus metallidurans</i> CH34 Does Not Trigger a Detoxification Pathway | Laure Avoscan, Marie Carrière, Olivier Proux, Géraldine Sarret, Jénil Degrouard, Jacques Covès, and Barbara Gouget | 2250–2252 |

ENZYMOLGY AND PROTEIN ENGINEERING

- | | | |
|---|--|-----------|
| Ser67Asp and His68Asp Substitutions in <i>Candida parapsilosis</i> Carbonyl Reductase Alter the Coenzyme Specificity and Enantioselectivity of Ketone Reduction | Rongzhen Zhang, Yan Xu, Ying Sun, Wenchi Zhang, and Rong Xiao | 2176–2183 |
| Catalytic Improvement and Evolution of Atrazine Chlorohydrolase | Colin Scott, Colin J. Jackson, Chris W. Coppin, Roslyn G. Mourant, Margaret E. Hilton, Tara D. Sutherland, Robyn J. Russell, and John G. Oakeshott | 2184–2191 |

EVOLUTIONARY AND GENOMIC MICROBIOLOGY

- | | | |
|---|---|-----------|
| Inc A/C Plasmids Are Prevalent in Multidrug-Resistant <i>Salmonella enterica</i> Isolates | Rebecca L. Lindsey, Paula J. Fedorka-Cray, Jonathan G. Frye, and Richard J. Meinersmann | 1908–1915 |
|---|---|-----------|

Continued on following page

Three Genomes from the Phylum *Acidobacteria* Provide Insight into the Lifestyles of These Microorganisms in Soils

Naomi L. Ward, Jean F. Challacombe, Peter H. Janssen, Bernard Henrissat, Pedro M. Coutinho, Martin Wu, Gary Xie, Daniel H. Haft, Michelle Sait, Jonathan Badger, Ravi D. Barabote, Brent Bradley, Thomas S. Bretin, Lauren M. Brinkac, David Bruce, Todd Creasy, Sean C. Daugherty, Tanja M. Davidsen, Robert T. DeBoy, J. Chris Detter, Robert J. Dodson, A. Scott Durkin, Anuradha Ganapathy, Michelle Gwinn-Giglio, Cliff S. Han, Hoda Khouri, Hajnalka Kiss, Sagar P. Kothari, Ramana Madupu, Karen E. Nelson, William C. Nelson, Ian Paulsen, Kevin Penn, Qinghu Ren, M. J. Rosovitz, Jeremy D. Selengut, Susmita Shrivastava, Steven A. Sullivan, Roxanne Tapia, L. Sue Thompson, Kisha L. Watkins, Qi Yang, Chunhui Yu, Nikhat Zafar, Liwei Zhou, and Cheryl R. Kuske 2046–2056

***Oenococcus oeni* Genome Plasticity Is Associated with Fitness**

Elisabeth Bon, Arnaud Delaherche, Eric Bilhère, Antoine De Daruvar, Aline Lonvaud-Funel, and Claire Le Marrec 2079–2090

Evolutionary History of the *phl* Gene Cluster in the Plant-Associated Bacterium *Pseudomonas fluorescens*

Jennifer A. Moynihan, John P. Morrissey, Eric R. Coppoolse, Willem J. Stiekema, Fergal O'Gara, and E. Fidelma Boyd 2122–2131

Complete Genome of the Broad-Host-Range *Erwinia amylovora* Phage ΦEa21-4 and Its Relationship to *Salmonella* Phage Felix O1

Susan M. Lehman, Andrew M. Kropinski, Alan J. Castle, and Antonet M. Svircev 2139–2147

Prokaryotic Genomes and Diversity in Surface Ocean Waters: Interrogating the Global Ocean Sampling Metagenome

Erin J. Biers, Shulei Sun, and Erinn C. Howard 2221–2229

FOOD MICROBIOLOGY

Insights into Structure-Activity Relationships in the C-Terminal Region of Divercin V41, a Class IIa Bacteriocin with High-Level Antilisterial Activity

Jitka Rihakova, Vanessa W. Petit, Katerina Demnerova, Hervé Prévost, Sylvie Rebuffat, and Djamel Drider 1811–1819

Prediction of a Required Log Reduction with Probability for *Enterobacter sakazakii* during High-Pressure Processing, Using a Survival/Death Interface Model

Shige Koseki, Maki Matsubara, and Kazutaka Yamamoto 1885–1891

Prevalence and Characterization of *Salmonellae* in Commercial Ground Beef in the United States

Joseph M. Bosilevac, Michael N. Guerini, Norasak Kalchayanand, and Mohammad Koohmaraie 1892–1900

Elimination of *Escherichia coli* O157:H7 from Alfalfa Seeds through a Combination of High Hydrostatic Pressure and Mild Heat

Hudaa Neetoo, Thompson Pizzolato, and Haiqiang Chen 1901–1907

Mesophilic and Psychrotrophic Bacteria from Meat and Their Spoilage Potential In Vitro and in Beef

Danilo Ercolini, Federica Russo, Antonella Nasi, Pasquale Ferranti, and Francesco Villani 1990–2001

Detection of *Campylobacter* Bacteria in Air Samples for Continuous Real-Time Monitoring of *Campylobacter* Colonization in Broiler Flocks

Katja N. Olsen, Marianne Lund, Julia Skov, Laurids S. Christensen, and Jeffrey Hoorfar 2074–2078

Stress- and Growth Rate-Related Differences between Plate Count and Real-Time PCR Data during Growth of *Listeria monocytogenes*

Franziska Reichert-Schwillinsky, 2132–2138
Carmen Pin, Monika Dzieciol,
Martin Wagner, and Ingeborg Hein

GENETICS AND MOLECULAR BIOLOGY

Random Mutagenesis of the *Pm* Promoter as a Powerful Strategy for Improvement of Recombinant-Gene Expression

Ingrid Bakke, Laila Berg, Trond 2002–2011
Erik Vee Aune, Trygve Brautaset,
Håvard Sletta, Anne Tøndervik, and
Svein Valla

Plasticity and Evolution of Aeruginosin Biosynthesis in Cyanobacteria

Keishi Ishida, Martin Welker, 2017–2026
Guntram Christiansen, Sabrina
Cadel-Six, Christiane Bouchier, Elke
Dittmann, Christian Hertweck, and
Nicole Tandeau de Marsac

Postgenomic Analysis of *Streptococcus thermophilus* Cocultivated in Milk with *Lactobacillus delbrueckii* subsp. *bulgaricus*: Involvement of Nitrogen, Purine, and Iron Metabolism

Luciana Herve-Jimenez, Isabelle 2062–2073
Guillouard, Eric Guedon, Samira
Boudebouze, Pascal Hols,
Véronique Monnet, Emmanuelle
Maguin, and Françoise Rul

High-Throughput Bioluminescence-Based Mutant Screening Strategy for Identification of Bacterial Virulence Genes

Attila Karsi, Nagihan Gülsoy, Erin 2166–2175
Corb, Pradeep R. Dumpala, and
Mark L. Lawrence

GEOMICROBIOLOGY

Ecophysiology of “*Halarsenatibacter silvermanii*” Strain SLAS-1^T, gen. nov., sp. nov., a Facultative Chemoautotrophic Arsenate Respirer from Salt-Saturated Searles Lake, California

Jodi Switzer Blum, Sukkyun Han, 1950–1960
Brian Lanoil, Chad Saltikov, Brian
Witte, F. Robert Tabita, Sean
Langley, Terry J. Beveridge, Linda
Jahnke, and Ronald S. Oremland

INVERTEBRATE MICROBIOLOGY

In Situ Hydrogen and Nitrous Oxide as Indicators of Concomitant Fermentation and Denitrification in the Alimentary Canal of the Earthworm *Lumbricus terrestris*

Pia K. Wüst, Marcus A. Horn, and 1852–1859
Harold L. Drake

Interactions between Coexisting Intracellular Genomes: Mitochondrial Density and *Wolbachia* Infection

L. Mouton, H. Henri, and F. Fleury 1916–1921

Pea Aphid as both Host and Vector for the Phytopathogenic Bacterium *Pseudomonas syringae*

John Stavrinides, Jodi K. 2230–2235
McCloskey, and Howard Ochman

Interaction of *Bacillus thuringiensis* Cry1 and Vip3A Proteins with *Spodoptera frugiperda* Midgut Binding Sites

Janete A. D. Sena, Carmen Sara 2236–2237
Hernández-Rodríguez, and Juan
Ferré

METHODS

Construction of Disarmed Ti Plasmids Transferable between *Escherichia coli* and *Agrobacterium* Species

Kazuya Kiyokawa, Shinji 1845–1851
Yamamoto, Kei Sakuma, Katsuyuki
Tanaka, Kazuki Moriguchi, and
Katsunori Suzuki

Quantitative Measurement of Varicella-Zoster Virus Infection by Semiautomated Flow Cytometry

Irina V. Gates, Yuhua Zhang, Cindy 2027–2036
Shambaugh, Meredith A. Bauman,
Charles Tan, and Jean-Luc Bodmer

Codon-Optimized Fluorescent Proteins Designed for Expression in Low-GC Gram-Positive Bacteria

Inka Sastalla, Kannie Chim, Gordon 2099–2110
Y. C. Cheung, Andrei P.
Pomerantsev, and Stephen H.
Leppla

MICROBIAL ECOLOGY

Diversity and Stratification of Archaea in a Hypersaline Microbial Mat

Charles E. Robertson, John R. Spear, J. Kirk Harris, and Norman R. Pace 1801–1810

Ecological Function of Myroilysin, a Novel Bacterial M12 Metalloprotease with Elastinolytic Activity and a Synergistic Role in Collagen Hydrolysis, in Biodegradation of Deep-Sea High-Molecular-Weight Organic Nitrogen

Xiu-Lan Chen, Bin-Bin Xie, Fei Bian, Guo-Yan Zhao, Hui-Lin Zhao, Hai-Lun He, Bai-Cheng Zhou, and Yu-Zhong Zhang 1838–1844

A Vaccine against Rumen Methanogens Can Alter the Composition of Archaeal Populations

Yvette J. Williams, Sam Popovski, Suzanne M. Rea, Lucy C. Skillman, Andrew F. Toovey, Korinne S. Northwood, and André-Denis G. Wright 1860–1866

Establishment of an Analytical System for the Human Fecal Microbiota, Based on Reverse Transcription-Quantitative PCR Targeting of Multicopy rRNA Molecules

Kazunori Matsuda, Hirokazu Tsuji, Takashi Asahara, Kazumasa Matsumoto, Toshihiko Takada, and Koji Nomoto 1961–1969

Insights into the Diversity of Eukaryotes in Acid Mine Drainage Biofilm Communities

Brett J. Baker, Gene W. Tyson, Lindsey Goosherst, and Jillian F. Banfield 2192–2199

Diverse and Novel *nifH* and *nifH*-Like Gene Sequences in the Deep-Sea Methane Seep Sediments of the Okhotsk Sea

Hongyue Dang, Xiwu Luan, Jingyi Zhao, and Jing Li 2238–2245

MYCOLOGY

Cell Wall Polysaccharide Synthases Are Located in Detergent-Resistant Membrane Microdomains in Oomycetes

Anne Briolay, Jamel Bouzenzana, Michel Guichardant, Christian Deshayes, Nicolas Sindt, Laurence Bessueille, and Vincent Bulone 1938–1949

High-Level Molecular Diversity of Copper-Zinc Superoxide Dismutase Genes among and within Species of Arbuscular Mycorrhizal Fungi

Nicolas Corradi, Beat Ruffner, Daniel Croll, Alexandre Colard, Ales Horák, and Ian R. Sanders 1970–1978

Selection of *Sphingomonadaceae* at the Base of *Laccaria proxima* and *Russula exalbicans* Fruiting Bodies

F. G. Hidde Boersma, Jan A. Warmink, Fernando A. Andreote, and Jan Dirk van Elsas 1979–1989

Novel *Coprinosin cinerea* Polyesterase That Hydrolyzes Cutin and Suberin

Hanna Kontkanen, Ann Westerholm-Parvinen, Markku Saloheimo, Michael Bailey, Marjaana Rättö, Ismo Mattila, Marzia Mohsina, Nisse Kalkkinen, Tiina Nakari-Setälä, and Johanna Buchert 2148–2157

Indole-Diterpene Biosynthetic Capability of *Epichloë* Endophytes as Predicted by *ltm* Gene Analysis

Carolyn A. Young, Brian A. Tapper, Kimberley May, Christina D. Moon, Christopher L. Schardl, and Barry Scott 2200–2211

Studies of the Production of Fungal Polyketides in *Aspergillus nidulans* by Using Systems Biology Tools

Gianni Panagiotou, Mikael R. Andersen, Thomas Grotkjaer, Torsten B. Regueira, Jens Nielsen, and Lisbeth Olsson 2212–2220

PHYSIOLOGY

Antimicrobial Activity of the Iron-Sulfur Nitroso Compound Roussin's Black Salt [Fe₄S₃(NO)₇] on the Hyperthermophilic Archaeon *Pyrococcus furiosus*

Scott D. Hamilton-Brehm, Gerrit J. Schut, and Michael W. W. Adams 1820–1825

Reciprocal Expression of Integration Host Factor and HU in the Developmental Cycle and Infectivity of *Legionella pneumophila*

Characterization of *rrdA*, a TetR Family Protein Gene Involved in the Regulation of Secondary Metabolism in *Streptomyces coelicolor*

PUBLIC HEALTH MICROBIOLOGY

Inactivation of Bacterial Pathogens following Exposure to Light from a 405-Nanometer Light-Emitting Diode Array

Unexpected Genetic Diversity among and within Populations of the Toxic Dinoflagellate *Alexandrium catenella* as Revealed by Nuclear Microsatellite Markers

Molecular Subtyping and Distribution of the Serine Protease from Shiga Toxin-Producing *Escherichia coli* among Atypical Enteropathogenic *E. coli* Strains

Michael G. Morash, Ann Karen C. Brassinga, Michelle Warthan, Poornima Gourabathini, Rafael A. Garduño, Steven D. Goodman, and Paul S. Hoffman 1826–1837

Xijun Ou, Bo Zhang, Lin Zhang, Guoping Zhao, and Xiaoming Ding 2158–2165

Michelle Maclean, Scott J. MacGregor, John G. Anderson, and Gerry Woolsey 1932–1937

Estelle Masseret, Daniel Grzebyk, Satoshi Nagai, Benjamin Genovesi, Bernard Lasserre, Mohamed Laabir, Yves Collos, André Vaquer, and Patrick Berrebi 2037–2045

Adrian L. Cookson, Jenny Bennett, Carolyn Nicol, Fiona Thomson-Carter, and Graeme T. Attwood 2246–2249

Cover photograph (Copyright © 2009, American Society for Microbiology. All Rights Reserved.): *Lumbricus* sp. breaking the surface of an agricultural soil in Bayreuth, Germany. The inset shows a microsensor approaching the cuticle of a sedated *Lumbricus* sp. In situ microsensor analyses identified hydrogen and nitrous oxide as concomitant indicators of fermentation and denitrification in the anoxic alimentary canal of the earthworm. Photo courtesy of Marcus A. Horn and Pia K. Wüst. (See related article on page 1852.)

Author Index

- Adams, Michael W. W., 1820
 Adrian, Lorenz, 1876
 Andersen, Mikael R., 2212
 Anderson, John G., 1932
 Andreesen, Jan R., 1876
 Andreote, Fernando A., 1979
 Anticó, Enriqueta, 1922
 Arduino, Matthew J., 2091
 Asahara, Takashi, 1961
 Attwood, Graeme T., 2246
 Aune, Trond Erik Vee, 2002
 Avoscan, Laure, 2250
- Badger, Jonathan, 2046
 Bailey, Michael, 2148
 Baker, Brett J., 2192
 Bakke, Ingrid, 2002
 Bañeras, Luís, 1922
 Banerjee, Shailen N., 2091
 Banfield, Jillian F., 2192
 Barabote, Ravi D., 2046
 Bauman, Meredith A., 2027
 Bennett, Jenny, 2246
 Berg, Laila, 2002
 Berrebi, Patrick, 2037
 Bessueille, Laurence, 1938
 Beveridge, Terry J., 1950
 Bian, Fei, 1838
 Biers, Erin J., 2221
 Bilhère, Eric, 2079
 Bley, T., 2111
 Bodmer, Jean-Luc, 2027
 Boersma, F. G. Hidde, 1979
 Bon, Elisabeth, 2079
 Bosilevac, Joseph M., 1892
 Bouchier, Christiane, 2017
 Boudebhouze, Samira, 2062
 Bouzenzana, Jamel, 1938
 Boyd, E. Fidelma, 2122
 Bradley, Brent, 2046
 Brassinga, Ann Karen C., 1826
 Brautaset, Trygve, 2002
 Brettin, Thomas S., 2046
 Brinkac, Lauren M., 2046
 Briolay, Anne, 1938
 Bruce, David, 2046
 Buchert, Johanna, 2148
 Bulone, Vincent, 1938
- Cadel-Six, Sabrina, 2017
 Capone, Dimitra, 1922
 Carrière, Marie, 2250
 Castle, Alan J., 2139
 Challacombe, Jean F., 2046
 Chen, Haiqiang, 1901
 Chen, Xiu-Lan, 1838
 Cheung, Gordon Y. C., 2099
 Chim, Kannie, 2099
 Christensen, Laurids S., 2074
 Christiansen, Guntram, 2017
 Colard, Alexandre, 1970
 Collos, Yves, 2037
 Cooksey, Robert C., 2091
 Cookson, Adrian L., 2246
 Coppin, Chris W., 2184
 Coppoolse, Eric R., 2122
 Corb, Erin, 2166
 Corradi, Nicolas, 1970
 Coutinho, Pedro M., 2046
 Covès, Jacques, 2250
 Crane, Christina B., 2091
- Creasy, Todd, 2046
 Croll, Daniel, 1970
- Dang, Hongyue, 2238
 Daugherty, Sean C., 2046
 Davidsen, Tanja M., 2046
 DeBoy, Robert T., 2046
 De Daruvar, Antoine, 2079
 Degrouard, Jénil, 2250
 Delaherche, Arnaud, 2079
 Demnerova, Katerina, 1811
 Deshayes, Christian, 1938
 Detter, J. Chris, 2046
 Ding, Xiaoming, 2158
 Dittmann, Elke, 2017
 Dodson, Robert J., 2046
 Donlan, Rodney M., 2091
 Drake, Harold L., 1852
 Drider, Djamel, 1811
 Dumpala, Pradeep R., 2166
 Durkin, A. Scott, 2046
 Dzieciol, Monika, 2132
- Ercolini, Danilo, 1990
- Falkinham, Joseph O., III, 2057
 Fedorka-Cray, Paula J., 1908
 Ferranti, Pasquale, 1990
 Ferré, Juan, 2236
 Fleury, F., 1916
 Frye, Jonathan G., 1908
- Ganapathy, Anuradha, 2046
 Garduño, Rafael A., 1826
 Gates, Irina V., 2027
 Genovesi, Benjamin, 2037
 Goodman, Steven D., 1826
 Goosherst, Lindsey, 2192
 Gouget, Barbara, 2250
 Gourabathini, Poornima, 1826
 Grotkjaer, Thomas, 2212
 Grzebyk, Daniel, 2037
 Guedon, Eric, 2062
 Guerini, Michael N., 1892
 Guichardant, Michel, 1938
 Guillouard, Isabelle, 2062
 Gülsoy, Nagihan, 2166
 Günther, S., 2111
 Gwinn-Giglio, Michelle, 2046
- Haft, Daniel H., 2046
 Hamilton-Brehm, Scott D., 1820
 Han, Cliff S., 2046
 Han, Sukkyun, 1950
 Harms, H., 2111
 Harris, J. Kirk, 1801
 Hause, G., 2111
 He, Hai-Lun, 1838
 Hein, Ingeborg, 2132
 Henri, H., 1916
 Henrissat, Bernard, 2046
 Hernández-Rodríguez, Carmen Sara, 2236
 Hertweck, Christian, 2017
 Herve-Jimenez, Luciana, 2062
 Hilborn, Elizabeth D., 2091
 Hilton, Margaret E., 2184
- Hoffman, Paul S., 1826
 Hols, Pascal, 2062
 Hoorfar, Jeffrey, 2074
 Horák, Ales, 1970
 Horn, Marcus A., 1852
 Howard, Erinn C., 2221
- Ishida, Keishi, 2017
- Jackson, Colin J., 2184
 Jahnke, Linda, 1950
 Janssen, Peter H., 2046
- Kalchayanand, Norasak, 1892
 Kalkkinen, Nisse, 2148
 Karsi, Attila, 2166
 Khouri, Hoda, 2046
 Kiss, Hajnalka, 2046
 Kiyokawa, Kazuya, 1845
 Kleinsteuber, S., 2111
 Kleinsteuber, Sabine, 1876
 Kontkanen, Hanna, 2148
 Koohmaraie, Mohammad, 1892
 Koseki, Shige, 1885
 Kothari, Sagar P., 2046
 Kropinski, Andrew M., 2139
 Kuske, Cheryl R., 2046
- Laabir, Mohamed, 2037
 Langley, Sean, 1950
 Lanol, Brian, 1950
 Lasserre, Bernard, 2037
 Lawrence, Mark L., 2166
 Lechner, Ute, 1876
 Lehman, Susan M., 2139
 Le Marrec, Claire, 2079
 Leppla, Stephen H., 2099
 Li, Jing, 2238
 Lindsey, Rebecca L., 1908
 Lonvaud-Funel, Aline, 2079
 Luan, Xiwu, 2238
 Lund, Marianne, 2074
- MacGregor, Scott J., 1932
 Maclean, Michelle, 1932
 Madupu, Ramana, 2046
 Maguin, Emmanuelle, 2062
 Masseret, Estelle, 2037
 Matsubara, Maki, 1885
 Matsuda, Kazunori, 1961
 Matsumoto, Kazumasa, 1961
 Mattila, Ismo, 2148
 May, Kimberley, 2200
 McCloskey, Jodi K., 2230
 Meinersmann, Richard J., 1908
 Mohsina, Marzia, 2148
 Monnet, Véronique, 2062
 Moon, Christina D., 2200
 Morash, Michael G., 1826
 Moriguchi, Kazuki, 1845
 Morrissey, John P., 2122
 Mourant, Roslyn G., 2184
 Mouton, L., 1916
 Moynihan, Jennifer A., 2122
 Müller, S., 2111
- Nagai, Satoshi, 2037
- Nakari-Setälä, Tiina, 2148
 Nasi, Antonella, 1990
 Neetoo, Huda, 1901
 Nelson, Karen E., 2046
 Nelson, William C., 2046
 Nicol, Carolyn, 2246
 Nielsen, Jens, 2212
 Nomoto, Koji, 1961
 Northwood, Korinne S., 1860
- Oakeshott, John G., 2184
 Ochman, Howard, 2230
 O'Gara, Fergal, 2122
 Olsen, Katja N., 2074
 Olsson, Lisbeth, 2212
 Oremland, Ronald S., 1950
 Ou, Xijun, 2158
- Pace, Norman R., 1801
 Panagiotou, Gianni, 2212
 Paulsen, Ian, 2046
 Penn, Kevin, 2046
 Petit, Vanessa W., 1811
 Pin, Carmen, 2132
 Pizzolato, Thompson, 1901
 Pomerantsev, Andrei P., 2099
 Popovski, Sam, 1860
 Prat, Chantal, 1922
 Prévost, Hervé, 1811
 Proux, Olivier, 2250
- Rasiah, Indira A., 2012
 Rättö, Marjaana, 2148
 Rea, Suzanne M., 1860
 Rebuffat, Sylvie, 1811
 Regueira, Torsten B., 2212
 Rehm, Bernd H. A., 2012
 Reichert-Schwillinsky, Franziska, 2132
 Ren, Qinghu, 2046
 Rihakova, Jitka, 1811
 Robertson, Charles E., 1801
 Röske, I., 2111
 Rosovitz, M. J., 2046
 Ruffner, Beat, 1970
 Ruiz-Rueda, Olaya, 1922
 Rul, Françoise, 2062
 Russell, Robyn J., 2184
 Russo, Federica, 1990
- Sait, Michelle, 2046
 Sakuma, Kei, 1845
 Saloheimo, Markku, 2148
 Saltikov, Chad, 1950
 Sanders, Ian R., 1970
 Sarret, Géraldine, 2250
 Sastalla, Inka, 2099
 Schardl, Christopher L., 2200
 Schut, Gerrit J., 1820
 Scott, Barry, 2200
 Scott, Colin, 2184
 Sefton, Mark, 1922
 Selengut, Jeremy D., 2046
 Sena, Janete A. D., 2236
 Shambaugh, Cindy, 2027
 Shrivastava, Susmita, 2046
 Silver, Pamela A., 1867
 Sindt, Nicolas, 1938
 Skillman, Lucy C., 1860

- Skov, Julia, 2074
 Sletta, Håvard, 2002
 Spear, John R., 1801
 Stavrinides, John, 2230
 Stiekema, Willem J., 2122
 Sullivan, Steven A., 2046
 Sun, Shulei, 2221
 Sun, Ying, 2176
 Sutherland, Tara D., 2184
 Suzuki, Katsunori, 1845
 Svircev, Antonet M., 2139
 Switzer Blum, Jodi, 1950
- Tabita, F. Robert, 1950
 Takada, Toshihiko, 1961
 Tan, Charles, 2027
 Tanaka, Katsuyuki, 1845
 Tandeau de Marsac, Nicole, 2017
 Tapia, Roxanne, 2046
- Tapper, Brian A., 2200
 Thompson, L. Sue, 2046
 Thomson-Carter, Fiona, 2246
 Tøndervik, Anne, 2002
 Toovey, Andrew F., 1860
 Trias, Rosalia, 1922
 Trutnau, M., 2111
 Tsuji, Hirokazu, 1961
 Tyson, Gene W., 2192
- Valla, Svein, 2002
 van Elsas, Jan Dirk, 1979
 Vaquer, André, 2037
 Villani, Francesco, 1990
- Wagner, Anke, 1876
 Wagner, Martin, 2132
 Waks, Zeev, 1867
 Ward, Naomi L., 2046
- Warmink, Jan A., 1979
 Warthan, Michelle, 1826
 Watkins, Kisha L., 2046
 Welker, Martin, 2017
 Westerholm-Parvinen, Ann, 2148
 Williams, Margaret M., 2091
 Williams, Yvette J., 1860
 Witte, Brian, 1950
 Woolsey, Gerry, 1932
 Wright, André-Denis G., 1860
 Wu, Martin, 2046
 Wüst, Pia K., 1852
- Xiao, Rong, 2176
 Xie, Bin-Bin, 1838
 Xie, Gary, 2046
 Xu, Yan, 2176
- Yakrus, Mitchell A., 2091
- Yamamoto, Kazutaka, 1885
 Yamamoto, Shinji, 1845
 Yang, Qi, 2046
 Young, Carolyn A., 2200
 Yu, Chunhui, 2046
- Zafar, Nikhat, 2046
 Zhang, Bo, 2158
 Zhang, Lin, 2158
 Zhang, Rongzhen, 2176
 Zhang, Wenchi, 2176
 Zhang, Yuhua, 2027
 Zhang, Yu-Zhong, 1838
 Zhao, Guoping, 2158
 Zhao, Guo-Yan, 1838
 Zhao, Hui-Lin, 1838
 Zhao, Jingyi, 2238
 Zhou, Bai-Cheng, 1838
 Zhou, Liwei, 2046