

Contents Volume 12 · 2009

- A**be CM → Mora A
Aguilar J → Aguilera L
Aguilera L, Giménez R, Badía J, Aguilar J, Baldoma L: NAD⁺-dependent post-translational modification of *Escherichia coli* glyceraldehyde-3-phosphate dehydrogenase 187
Alonso MP → Mora A
Alves PIL → Dourado AC
Amich J, Leal F, Calera JA: Repression of the acid ZrfA/ZrfB zinc-uptake system of *Aspergillus fumigatus* mediated by PacC under neutral, zinc-limiting conditions 39
Aranda J, Cortés P, Garrido ME, Fittipaldi N, Llagostera M, Gottschalk M, Barbé J: Contribution of the FeoB transporter to *Streptococcus suis* virulence 137
Arias ME → Molina-Guijarro JM
Armeni M → Luna GM
Arrebola E, Cazorla FM, Codina JC, Gutiérrez-Barranquero JA, Pérez-García A, de Vicente A: Contribution of mangotoxin to the virulence and epiphytic fitness of *Pseudomonas syringae* pv. *syringae* 87
- B**adía J → Aguilera L
Baldoma L → Aguilera L
Banerjee SK → Popa R
Barbé J → Aranda J
Barja JL → Prado S
Barreno E → del Campo EM
Barreto Crespo MT → Dourado AC
Benz R → Dörner U
Berlanga M, Paster BJ, Guerrero R: The taxophysiological paradox: changes in the intestinal microbiota of the xylophagous cockroach *Cryptocercus punctulatus* depending on the physiological state of the host 227
Berquó TS → Popa R
Bertolini E → Capote N
Blanco J → Mora A
Blanco JE → Mora A
Blanco M → Mora A
Blume V, Luque I, Vela AI, Borge C, Maldonado A, Domínguez L, Tarradas C, Fernández-Garayzábal JF: Genetic and virulence-phenotype characterization of serotypes 2 and 9 of *Streptococcus suis* swine isolates 161
Borge C → Blume V
- C**alera JA → Amich J
Cabra M → Capote N
- Capote N, Bertolini E, Olmos A, Vidal E, Martínez MC, Cambra M: Direct sample preparation methods for the detection of *Plum pox virus* by real-time RT-PCR 1
Casano LM → del Campo EM
Cazorla FM → Arrebola E
Chávez R → García-Rico RO
Codina JC → Arrebola E
Conde RD → Nercessian D
Corinaldesi C → Luna GM
Cortés P → Aranda J
- D**affé M → Dörner U
Dahbi G → Mora A
Danovaro R → Luna GM
De Castro RE → Nercessian D
de Vicente A → Arrebola E
del Campo EM, Casano LM, Gasulla F, Barreno E: Presence of multiple group I introns closely related to bacteria and fungi in plastid 23S rRNAs of lichen-forming *Trebouxia* 59
Dell'Anno A → Luna GM
Di Pietro A → Martín-Urdiroz M
Domínguez L → Blume V
Dörner U, Schiffler B, Lanéelle M-A, Daffé M, Benz R: Identification of a cell-wall channel in the corynemycolic acid-free gram-positive bacterium *Corynebacterium amycolatum* 29
Dourado AC, Alves PIL, Tenreiro T, Ferreira EM, Tenreiro R, Fareleira P, Barreto Crespo MT: Rapid identification of *Sinorhizobium (Ensifer) medicae* based on a specific genomic sequence unveiled by M13-PCR fingerprinting 215
- E**lias WP → Mora A
Escobedo S → Martín R
- F**ang W → Popa R
Fareleira P → Dourado AC
Fernández L → Pérez-Pascual D
Fernández-Garayzábal JF → Blume V
Ferreira EM → Dourado AC
Fierro F → García-Rico RO
Fittipaldi N → Aranda J
- G**arcía E → Moscoso M
García-Rico RO, Chávez R, Fierro F, Martín JF: Effect of a heterotrimeric G protein α subunit on conidia germination, stress response, and roquefortine C production in *Penicillium roqueforti* 123
- Garrido ME → Aranda J
Gasulla F → del Campo EM
Giménez R → Aguilera L
Godoy M → Trefault N
Gomes TAT → Mora A
González B → Trefault N
Gottschalk M → Aranda J
Guerrero R → Berlanga M
Guijarro JA → Pérez-Pascual D
Guillén F → Molina-Guijarro JM
Gutiérrez-Barranquero JA → Arrebola E
Guzmán L → Trefault N
- H**ernandes RT → Mora A
Hernández M → Molina-Guijarro JM
- I**mhoff JF → Tank M
- K**röl J → Vilariño ML
- L**acher DW → Mora A
Lanéelle M-A → Dörner U
Le Guyader FS → Vilariño ML
Leal F → Amich J
Leul M, Normand P, Sellstedt A: The phylogeny of uptake hydrogenases in *Frankia* 23
Lin W, Pan Y: Specific primers for the detection of freshwater alphaproteobacterial magnetotactic cocci 237
Lins U → Martins JL
Llagostera M → Aranda J
López C → Mora A
López R → Moscoso M
Luna GM, Dell'Anno A, Corinaldesi C, Armeni M, Danovaro R: Diversity and spatial distribution of metal-reducing bacterial assemblages in groundwaters of different redox conditions 153
Luque I → Blume V
- M**aldonado A → Blume V
Marino Buslje C → Nercessian D
Martín JF → García-Rico RO
Martín R, Soberón N, Escobedo S, Suárez JE: Bacteriophage induction versus vaginal homeostasis: role of H₂O₂ in the selection of *Lactobacillus* defective prophages 131
Martínez MC → Capote N
Martínez-del-Pozo A → Martín-Urdiroz M
Martínez-Rocha AL → Martín-Urdiroz M
Martins JL, Silveira TS, Silva KT, Lins U: Salinity dependence of the distribution of mul-

- ticellular magnetotactic prokaryotes in a hypersaline lagoon 193
- Martín-Urdiroz M, Martínez-Rocha AL, Di Pietro A, Martínez-del-Pozo A, Roncero MIG: Differential toxicity of antifungal protein AFP against mutants of *Fusarium oxysporum* 115
- Méndez J → Pérez-Pascual D
- Menéndez A → Pérez-Pascual D
- Michel GPF → Termine E
- Molina-Guijarro JM, Pérez J, Muñoz-Dorado J, Guillén F, Moya R, Hernández M, Arias ME: Detoxification of azo dyes by a novel pH-versatile, salt-resistant laccase from *Streptomyces ipomoea* 13
- Montes J → Prado S
- Mora A, Blanco M, Yamamoto D, Dahbi G, Blanco JE, López C, Alonso MP, Vieira MAM, Hernandes RT, Abe CM, Piazza RMF, Lacher DW, Elias WP, Gomes TAT, Blanco J: HeLa-cell adherence patterns and actin aggregation of enteropathogenic *Escherichia coli* (EPEC) and Shiga-toxin-producing *E. coli* (STEC) strains carrying different *eae* and *tir* alleles 243
- Moscoso M, García E, López R: Pneumococcal biofilms 77
- Moya R → Molina-Guijarro JM
- Muñoz-Dorado J → Molina-Guijarro JM
- Navais R → Pérez-Pascual D
- Nealson KH → Popa R
- Nercessian D, Marino Busje C, Ordóñez MV, De Castro RE, Conde RD: Presence of structural homologs of ubiquitin in haloalkaliphilic *Archaea* 167
- Normand P → Leul M
- Olmos A → Capote N
- Ordóñez MV → Nercessian D
- Pan Y → Lin W
- Paster BJ → Berlanga M
- Penn LR → Popa R
- Pérez H → Trefault N
- Pérez J → Molina-Guijarro JM
- Pérez-García A → Arrebola E
- Pérez-Pascual D, Menéndez A, Fernández L, Méndez J, Reimundo P, Navais R, Guijarro JA: Spreading versus biomass production by colonies of the fish pathogen *Flavobacterium psychrophilum*: role of the nutrient concentration 207
- Piazza RMF → Mora A
- Piqueras M: More about Mrs. Darwin than about Mr. Darwin 69
- Polo D → Vilariño ML
- Popa R, Fang W, Nealson KH, Souza-Egipsy V, Berquó TS, Banerjee SK, Penn LR: Effect of oxidative stress on the growth of magnetic particles in *Magnetospirillum magneticum* 49
- Prado S, Montes J, Romalde JL, Barja JL: Inhibitory activity of *Phaeobacter* strains against aquaculture pathogenic bacteria 107
- Reimundo P → Pérez-Pascual D
- Romalde JL → Prado S
- Romalde JL → Vilariño ML
- Roncero MIG → Martín-Urdiroz M
- Schaeffer J → Vilariño ML
- Schiffler B → Dörner U
- Sellstedt A → Leul M
- Silva KT → Martins JL
- Silveira TS → Martins JL
- Skinner N: Year's comments for 2009 203
- Soberón N → Martín R
- Souza-Egipsy V → Popa R
- Suárez JE → Martín R
- Tank M, Thiel V, Imhoff JF: Phylogenetic relationship of phototrophic purple sulfur bacteria according to *pufL* and *pufM* genes 175
- Tarradas C → Blume V
- Tenreiro R → Dourado AC
- Tenreiro T → Dourado AC
- Termine E, Michel GPF: Transcriptome and secretome analyses of the adaptive response of *Pseudomonas aeruginosa* to suboptimal growth temperature 7
- Thiel V → Tank M
- Trefault N, Guzmán L, Pérez H, Godoy M, González B: Involvement of several transcriptional regulators in the differential expression of *tfd* genes in *Cupriavidus necator* JMP134 97
- Vela AI → Blume V
- Vidal E → Capote N
- Vieira MAM → Mora A
- Vilariño ML, Le Guyader FS, Polo D, Schaeffer J, Kröl J, Romalde JL: Assessment of human enteric viruses in cultured and wild bivalve molluscs 145
- Yamamoto D → Mora A

Author Index - 2009

Abe CM → 243
 Aguilar J → 187
 Aguilera L → 187
 Alonso MP → 243
 Alves PIL → 215
 Amich J → 39
 Aranda J → 137
 Arias ME → 13
 Armeni M → 153
 Arrebolá E → 87

Badía J → 187
 Baldoma L → 187
 Banerjee SK → 49
 Barbé J → 137
 Barja JL → 107
 Barreno E → 59
 Barreto Crespo MT → 215
 Benz R → 29
 Berlanga M → 227, 253
 Berquó TS → 49
 Bertolini E → 1
 Blanco J → 243
 Blanco JE → 243
 Blanco M → 243
 Blume V → 161
 Borge C → 161

Calera JA → 39
 Cambra M → 1
 Capote N → 1
 Casano LM → 59
 Cazorla FM → 87
 Chávez R → 123
 Codina JC → 87
 Conde RD → 167
 Corinaldesi C → 153
 Cortés P → 137

Daffé M → 29
 Dahbi G → 243
 Danovaro R → 153
 De Castro RE → 167
 de Vicente A → 87
 del Campo EM → 59
 Dell'Anno A → 153
 Di Pietro A → 115
 Domínguez L → 161
 Dörner U → 29
 Dourado AC → 215

Elias WP → 243
 Escobedo S → 131

Fang W → 49
 Fareleira P → 215
 Fernández L → 207
 Fernández-Garayzábal JF → 161
 Ferreira EM → 215
 Fierro F → 123
 Fittipaldi N → 137

García E → 77
 García-Rico RO → 123
 Garrido ME → 137
 Gasulla F → 59
 Giménez R → 187
 Godoy M → 97
 Gomes TAT → 243
 González B → 97
 Gottschalk M → 137
 Guerrero R → 227
 Guijarro JA → 207
 Guillén F → 13
 Gutiérrez-Barranquero JA → 87
 Guzmán L → 97

Hernandes RT → 243
 Hernández M → 13

Imhoff JF → 175

Kröl J → 145

Lacher DW → 243
 Lanéelle M-A → 29
 Le Guyader FS → 145
 Leal F → 39
 Leul M → 23
 Lin W → 237
 Lins U → 193
 Llagostera M → 137
 López C → 243
 López R → 77
 Luna GM → 153
 Luque I → 161

Maldonado A → 161
 Marino Buslje C → 167
 Martín JF → 123
 Martín R → 131
 Martínez MC → 1
 Martínez-del-Pozo A → 115
 Martínez-Rocha AL → 115
 Martins JL → 193
 Martín-Urdiroz M → 115
 Méndez J → 207
 Menéndez A → 207
 Michel GPF → 7
 Molina-Guijarro JM → 13

Navais R → 207
 Nealson KH → 49
 Nercessian D → 167
 Normand P → 23

Olmos A → 1
 Ordóñez MV → 167

Pan Y → 237
 Paster BJ → 227
 Penn LR → 49
 Pérez H → 97
 Pérez J → 13
 Pérez-García A → 87
 Pérez-Pascual D → 207
 Piazza RMF → 243
 Piqueras M → 69
 Polo D → 145
 Popa R → 49
 Prado S → 107

Reimundo P → 207
 Romalde JL → 107, 145
 Roncero MIG → 115

Schaeffer J → 145
 Schiffler B → 29
 Sellstedt A → 23
 Silva KT → 193
 Silveira TS → 193
 Skinner N → 75, 203
 Soberón N → 131
 Souza-Egipsy V → 49
 Suárez JE → 131

Tank M → 175
 Tarradas C → 161
 Tenreiro R → 215
 Tenreiro T → 215
 Termine E → 7
 Thiel V → 175
 Trefault N → 97

Vela AI → 161
 Vidal E → 1
 Vieira MAM → 243
 Vilariño ML → 145

Yamamoto D → 243

Key word Index - 2009

- A**DP-ribosylation 187
- Antibacterial activity 107
- Antifungal protein 115
- Antimetabolite toxin 87
- Aspergillus fumigatus* 39
- Azo-dye detoxification 13
- B**acterial pathogenesis 87
- Bacterial virulence 137
- Bacteriophages of *Lactobacillus* 131
- Bacteroidetes 227
- Biofilms 77
- Biomass production 207
- Biomineralization 49
- C***Candidatus Magnetoglobus multicellularis* 193
- Cell wall 115
- Cell-wall channel 29
- Chitin synthase 115
- Chromatiaceae* 175
- Cocci specific primers 237
- Coevolution 227
- Colony spreading 207
- Conidial germination 123
- Corynebacterium amycolatum* 29
- Corynemycolic acids 29
- Covalent modification of proteins 187
- Cryptocercus punctulatus* 227
- Cupriavidus necator* 97
- D**arwin, Emma 69
- Dwarf MMP 49
- E***Ectothiorhodospiraceae* 175
- Enteric viruses 145
- Enteropathogenic *E. coli* (EPEC) 243
- Environmental molecular microbiology 254
- Escherichia coli* 187
- Extracellular matrix 77
- Extracellular proteins 7
- F**fatty-acid composition 29
- Flavobacterium psychrophilum* 207
- Frankia* cluster 23
- Freshwater alphaproteobacterial magnetotactic cocci 237
- Fusarium oxysporum* 115
- G**enes *pufLM* 175
- Genetic typing 161
- Geobacteraceae* 153
- Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) 187
- G-protein 123
- Groundwater 153
- Group I introns 59
- Growth temperature 7
- H**alophilic archaea 167
- HeLa cell adherence 243
- Hepatitis A virus 145
- Horizontal transfer 59
- Host physiological state 227
- Hydrogenase syntons 23
- I**ntimin 243
- Iron in waters 193
- Iron uptake 137
- L**accases 13
- Lactobacillus* 131
- Lateral gene transfer 23
- Lichens 59
- LysR transcriptional regulators 97
- M**13-PCR fingerprinting 215
- Magnetite 49
- Magnetosomes 49
- Magnetospirillum magneticum* AMB-1 49
- Magnetotactic bacteria 49, 237
- Manganese-iron in aquifers 153
- Medicago polymorpha* L. 215
- Metal-reducing bacteria 153
- MLST 161
- Mollusc larval pathogens 107
- Molluscs 145
- Multicellular magnetotactic prokaryotes 193
- Myxobacteria 75
- N***Natrialba magadii* 167
- Nitrogen-fixing nodules 215
- Norovirus 145
- Nutrient concentration 207
- O**peron *feo* 137
- Otitis media 77
- P**acC 39
- Pathogens and toxins in foods 253
- Penicillium roqueforti* 123
- PFGE 161
- Phaeobacter* 107
- Phylogeny 175
- Phytotoxins 87
- pJP4 catabolic plasmid 97
- Plastid 23S rRNA 59
- Plum pox virus* (PPV) 1
- Post-test probability 1
- Probiotics 107
- Prophages 131
- Pseudomonas aeruginosa* 7
- Pseudomonas syringae* pv. *syringae* 87
- Purple sulfur bacteria (PSB) 175
- Q**uorum sensing 77
- Reconstitution experiments 29
- Rhizobia 215
- Roquefortine production 123
- S**alinity dependence 193
- Seafood industry 145
- Secreted proteins 187
- Secretome 7
- Secretory systems 7
- Sharka disease 1
- Shiga-toxin producing *E. coli* (STEC) 243
- Sinorhizobium (Ensifer) medicae* 215
- SOS response 131
- Specific primers 237
- Spirochetes 227
- Spot real-time RT-PCR 1
- Streptococcal diseases 137
- Streptococcus pneumoniae* 77
- Streptococcus suis* 137, 161
- Streptomyces ipomoea* 13
- Stress 123
- Structural homology 167
- Swine 161
- T**ermite group TG1 227
- tfd* catabolic genes 97
- Transcriptome 7
- Trebouxia* ssp. 59
- U**biquitin-like proteins 167
- V**aginal microbiota 131
- Viral prevalence 145
- Viral quantification 145
- Virulence factor 87
- Virulence-related factors 161
- W**hole intestinal microbiota 227
- Winter or dormand diagnostic methods 1
- Y**ear's comments 203
- Z**inc 39
- Zinc-uptake system 39
- 16S rRNA gene** 237