Volume contents

Volume 111 No. 1 January 2005

Molecular characterisation of vegetative compatibility groups in Fusarium oxysporum f. sp. radicis-lycopersici and f. sp. lycopersici by random amplification of polymorphic DNA and microsatellite-primed PCR V. Balmas, B. Scherm, P.D. Primo, D. Rau, A. Marcello and Q. Migheli Role of Cacopsylla pyri in the epidemiology of pear decline in Spain M. Garcia-Chapa, J. Sabaté, A. Laviña and A. Batlle Infection of wheat spikes by Fusarium avenaceum and alterations of cell wall components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
of polymorphic DNA and microsatellite-primed PCR V. Balmas, B. Scherm, P.D. Primo, D. Rau, A. Marcello and Q. Migheli Role of Cacopsylla pyri in the epidemiology of pear decline in Spain M. Garcia-Chapa, J. Sabaté, A. Laviña and A. Batlle Infection of wheat spikes by Fusarium avenaceum and alterations of cell wall components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
V. Balmas, B. Scherm, P.D. Primo, D. Rau, A. Marcello and Q. Migheli Role of Cacopsylla pyri in the epidemiology of pear decline in Spain M. Garcia-Chapa, J. Sabaté, A. Laviña and A. Batlle Infection of wheat spikes by Fusarium avenaceum and alterations of cell wall components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice-wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Role of Cacopsylla pyri in the epidemiology of pear decline in Spain M. Garcia-Chapa, J. Sabaté, A. Laviña and A. Batlle Infection of wheat spikes by Fusarium avenaceum and alterations of cell wall components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
M. Garcia-Chapa, J. Sabaté, A. Laviña and A. Batlle Infection of wheat spikes by Fusarium avenaceum and alterations of cell wall components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Infection of wheat spikes by Fusarium avenaceum and alterations of cell wall components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice-wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
components in the infected tissue Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Z. Kang, I. Zingen-Sell and H. Buchenauer Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Effectiveness and profitability of the Mi-resistant tomatoes to control root-knot nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice-wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
nematodes F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
F.J. Sorribas, C. Ornat, S. Verdejo-Lucas, M. Galeano and J. Valero Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Identification of Globodera rostochiensis and G. pallida in the Ukraine by PCR L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
L.A. Pylypenko, T. Uehara, M.S. Phillips, D.D. Sigareva and V.C. Blok Sources of inoculum and reappearance of spot blotch of wheat in rice—wheat cropping systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
systems in eastern India S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
S.P. Pandey, S. Kumar, U. Kumar, R. Chand and A.K. Joshi Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Analysis of the relationship between parameters of resistance to Fusarium head blight and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
and in vitro tolerance to deoxynivalenol of the winter wheat cultivar WEK0609 N. Gosman, E. Chandler, M. Thomsett, R. Draeger and P. Nicholson Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
Polygalacturonase-inhibiting protein activity in cantaloupe fruit as a function of fruit maturation and tissue origin W.W. Fish
maturation and tissue origin W.W. Fish
Simultaneous detection and identification of eight stone fruit viruses by one-step 77–84 RT-PCR
J.A. Sánchez-Navarro, F. Aparicio, M.C. Herranz, A. Minafra, A. Myrta and V. Pallás
Short communication
Identification and in planta detection of Pseudomonas syringae pv. tomato using PCR
amplification of hrpZPst
M. Zaccardelli, A. Spasiano, C.Bazzi and M. Merighi
Book review 91
Volume 111 No. 2 February 2005
Detection of the fire blight biocontrol agent <i>Bacillus subtilis</i> BD170 (Biopro®) in a 93–100 Swiss apple orchard
G.A.L. Broggini, B. Duffy, E. Holliger, HJ. Schärer, C. Gessler and A. Patocchi

Suppression of Allium white rot (Sclerotium cepivorum) in different soils using regetable wastes	101–112
E. Coventry, R. Noble, A. Mead and J.M. Whipps Development and evaluation of an enzyme-linked immunosorbent assay (ELISA)	113–124
for the detection of loose smut of barley (<i>Ustilago nuda</i>) P. Eibel, G.A. Wolf and E. Koch	
Unsaturated fatty acids from zoospores of <i>Sclerospora graminicola</i> induce resistance in pearl millet	125–137
K.N. Amruthesh, N.P. Geetha, H.J. Lyngs Jørgensen, E. de Neergaard and H.S. Shetty Expressed sequence tags from the phytopathogenic fungus <i>Botrytis cinerea</i> M. Viaud, F. Legeai, JM. Pradier, Y. Brygoo, F. Bitton, J. Weissenbach, A. Brunet-Simon, A. Duclert, S. Fillinger, D. Fortini, A. Gioti, C. Giraud, S. Halary, I. Lebrun, P.L. Pêcheur, D. Samson and C. Levis	139–146
Pathogenic variation in poplar rust <i>Melampsora larici-populina</i> from England M.H. Pei, C. Ruiz, C. Bayon, T. Hunter and D. Lonsdale	147–155
The widespread occurrence of overwintered conidial inoculum of <i>Venturia inaequalis</i> on shoots and buds in organic and integrated apple orchards across the Netherlands I.J. Holb, B. Heijne and M.J. Jeger	157–168
Occurrence and distribution of <i>Phytophthora</i> species in European chestnut stands, and their association with Ink Disease and crown decline	169–180
A.M. Vettraino, O. Morel, C. Perlerou, C. Robin, S. Diamandis and A. Vannini A broad characterization of the transcriptional profile of the compatible tomato response to the plant parasitic root knot nematode <i>Meloidogyne javanica</i> C. Bar-Or, Y. Kapulnik and H. Koltai	181–192
Volume 111 No. 3 March 2005	
Increasing control reliability of <i>Orobanche cumana</i> through integration of a biocontrol agent with a resistance-inducing chemical D. Müller-Stöver, H. Buschmann and J. Sauerborn	193–202
Relationship between aggressiveness of <i>Stagonospora</i> sp. isolates on field and hedge bindweeds, and <i>in vitro</i> production of fungal metabolites cercosporin, elsinochrome A and leptosphaerodione M.O. Ahonsi, M. Maurhofer, D. Boss and G. Défago	203–215
Genotype × environment interactions in symptom development and yield of cassava genotypes with artificial and natural cassava bacterial blight infections V. Zinsou, K. Wydra, B. Ahohuendo and B. Hau	217–233
Characterisation of <i>Phoma traceiphila</i> by RAPD-PCR, microsatellite-primed PCR and ITS rDNA sequencing and development of specific primers for <i>in planta</i> PCR detection V. Balmas, B. Scherm, S. Ghignone, A.O.M. Salem, S.O. Cacciola and Q. Migheli	235–247
Control of <i>Botrytis cinerea</i> in glasshouse fuchsia by specific climate management S. Friedrich, D. Gebelein and C. Boyle	249–262
Patterns of ascospore release in relation to phoma stem canker epidemiology in England (<i>Leptosphaeria maculans</i>) and Poland (<i>Leptosphaeria biglobosa</i>) YJ. Huang, B.D.L. Fitt, M. Jedryczka, S. Dakowska, J.S. West, P. Gladders, J.M. Steed and ZQ. Li	263–277

Supression of <i>Rhizoctonia</i> root-rot of tomato by <i>Glomus mossae</i> BEG12 and <i>Pseudomonas fluorescens</i> A6RI is associated with their effect on the pathogen growth and on the root morphogenesis G. Berta, S. Sampo, E. Gamalero, N. Massa and P. Lemanceau Short communication	279–288
Molecular analysis suggests that recent Citrus tristeza virus outbreaks in Italy were originated by at least two independent introductions S. Davino, L. Rubio and M. Davino	289–293
Book review	295–296
Volume 111 No. 4 April 2005	
Identification of N-3-hydroxyoctanoyl-homoserine lactone production in <i>Pseudomonas</i> fluorescens 5064, pathogenic to broccoli, and controlling biosurfactant production by quorum sensing	297–308
X. Cui, R. Harling, P. Mutch and D. Darling Use of real-time PCR to examine the relationship between disease severity in pea and Aphanomyces euteiches DNA content in roots G.J. Vandemark and N.J. Grünwald	309–316
Analysis of molecular diversity in <i>Crinipellis perniciosa</i> with AFLP markers R.C. Ploetz, R.J. Schnell, Z. Ying, Q. Zheng, C.T. Olano, J.C. Motamayor and E.S. Johnson	317–326
N-acyl-homoserine lactone-mediated quorum sensing blockage, a novel strategy for attenuating pathogenicity of Gram-negative bacterial plant pathogens X. Cui and R. Harling	327–339
Intra-specific variation and inheritance of BYDV-PAV transmission in the aphid <i>Sitobion avenae</i>	341–354
CA. Dedryver, G. Riault, S. Tanguy, J.F. Le Gallic, M. Trottet and E. Jacquot Capsid protein sequence gene analysis of <i>Apple mosaic virus</i> infecting pears K. Petrzik	355–360
Growth and sporulation of Stemphylium vesicarium, the causal agent of brown spot of pear, on herb plants of orchard lawns V. Rossi, E. Pattori, S. Giosué and R. Bugiani	361–370
Improved immunological detection of <i>Spongospora subterranea</i> U. Merz, J. Walsh, K. Bouchek-Mechiche, T. Oberhänsli and W. Bitterlin	371–379
Germination of <i>Gibberella zeae</i> ascospores as affected by age of spores after discharge and environmental factors M. Beyer and JA. Verreet	381–389
Epitope identification and <i>in silico</i> prediction of the specificity of antibodies binding to the coat proteins of <i>Potato Virus Y</i> strains H. Keller, R. Pomp, J. Bakker and A. Schots	391–397
Volume Contents Author Index	399–401 403–404