

Volume 123 Number 4 August 2011

ORIGINAL PAPERS

The inheritance of resistance to *Verticillium* wilt caused by race 1 isolates of *Verticillium dahliae* in the lettuce cultivar La Brillante

R.J. Hayes · L.K. McHale · G.E. Vallad · M.J. Truco · R.W. Michelmore · S.J. Klosterman · K. Maruthachalam · K.V. Subbarao 509

A single nucleotide polymorphism in the *Waxy* gene explains a significant component of gel consistency

N.A. Tran · V.D. Daygon · A.P. Resurreccion · R.P. Cuevas · H.M. Corpuz · M.A. Fitzgerald 519

Resistance to *Soil-borne cereal mosaic virus* in durum wheat is controlled by a major QTL on chromosome arm 2BS and minor loci

M. Maccaferri · C. Ratti · C. Rubies-Autonell · V. Vallega · A. Demontis · S. Stefanelli · R. Tuberosa · M.C. Sanguineti 527

QTL identification of flowering time at three different latitudes reveals homeologous genomic regions that control flowering in soybean

W. Liu · M.Y. Kim · Y.J. Kang · K. Van · Y.-H. Lee · P. Srinives · D.L. Yuan · S.-H. Lee 545

High-throughput SNP discovery and genotyping in durum wheat (*Triticum durum* Desf.)

D. Trebbi · M. Maccaferri · P. de Heer · A. Sørensen · S. Giuliani · S. Salvi · M.C. Sanguineti · A. Massi · E.A.G. van der Vossen · R. Tuberosa 555

Genetic structure and diversity of wild sorghum populations (*Sorghum* spp.) from different eco-geographical regions of Kenya

M.M. Muraya · S. de Villiers · H.K. Parzies · E. Mutegi · F. Sagnard · B.M. Kanyenji · D. Kiambi · H.H. Geiger 571

Towards an understanding of the nature of resistance to *Phytophthora* root rot in red raspberry

J. Graham · C.A. Hackett · K. Smith · M. Woodhead · K. MacKenzie · I. Tierney · D. Cooke · M. Bayer · N. Jennings 585

Resistance to recombinant stem rust race TPPKC in hard red spring wheat

D.L. Klindworth · J.D. Miller · N.D. Williams · S.S. Xu 603

A multiple resistance locus on chromosome arm 3BS in wheat confers resistance to stem rust (*Sr2*), leaf rust (*Lr27*) and powdery mildew

R. Mago · L. Tabe · R.A. McIntosh · Z. Pretorius · R. Kota · E. Paux · T. Wicker · J. Breen · E.S. Lagudah · J.G. Ellis · W. Spielmeyer 615

Fine-mapping of the *woolly* gene controlling multicellular trichome formation and embryonic development in tomato

C. Yang · H. Li · J. Zhang · T. Wang · Z. Ye 625

In silico mining for simple sequence repeat loci in a pineapple expressed sequence tag database and cross-species amplification of EST-SSR markers across Bromeliaceae

T. Wöhrmann · K. Weising 635

Comparisons of four approximation algorithms for large-scale linkage map construction

J. Wu · J.N. Jenkins · J.C. McCarty · X.-Y. Lou 649

Characterization of *fs10.1*, a major QTL controlling fruit elongation in *Capsicum*

Y. Borovsky · I. Paran 657

Prevalence of segregation distortion in diploid alfalfa and its implications for genetics and breeding applications

X. Li · X. Wang · Y. Wei · E.C. Brummer 667