

The reddish-brown rust resistance gene in soybean was mapped on linkage group G as a single dominant gene in soybean line PI 594538A report N. Chakraborty and associates at the University of Illinois. (Crop Sci. 49:783-790, 2009)

A new nematode, Meloidogyne silvestris, caused root galls on Ilex aquifolium, but not on tomato, grape, or olive, in northern Spain report P. Castillo and associates at IAS-CSIC, Cordoba, Spain; CNR, Bari, Italy; and Universidad de Jaén, Spain. (Plant Pathol. 58:606-619, 2009)

MgCdc42 is a Cdc42 ortholog in Magnaporthe grisea that is required for penetration and virulence report W. Zheng and associates at Fujian Agriculture and Forest University, China. (Fungal Genet. Biol. 46:450-460, 2009)

Resistance locus Ve cloned from tomato has two linked genes, but only Ve1 provides resistance in tomato to race 1 but not 2 of Verticillium dahliae and V. albo-atrum report E. F. Fradin and associates at Wageningen University and Centre for Biosystems Genomics, Netherlands; Chinese Academy of Sciences; and University of Guelph, Canada. (Plant Physiol. 150:320-332, 2009)

Pythium delawarii is a new species causing seedling damping-off of soybean in Ohio report K. D. Broders and associates at Ohio State University, Wooster. (Mycologia 101:232-238, 2009)

Extracts from Magnolia tripetala were nematocidal to Bursaphelenchus xylophilus, Panagrellus redivivus, and Caenorhabditis elegans, producing honokiol and magnolol, report G.-H. Li and associates at Yunnan University, China. (J. Phytopathol. 157:390-392, 2009)

Pinus oocarpa is highly resistant to pitch canker (stemkill 3%-8%) but significantly correlated with latitude, longitude, and altitude report W. S. Dvorak and associates at North Carolina State University, Forest Science Laboratory, Triangle Park, NC, and USDA Forest Service, Placerville, CA. (Int. J. Plant Sci. 170:609-620, 2009)

Fusarium oxysporum (F2) reduces Verticillium wilt on eggplant by competing for space or nutrients on the root surface, not by triggering defense responses, report I. S. Pantelides and associates at University of Athens, Greece. (Biol. Contr. 50:30-36, 2009)

Glyceraldehyde-3-phosphate dehydrogenase is required for extracellular polysaccharide production for pathogenicity of Xanthomonas campestris pv. campestris report G.-T. Lu and associates at Guang University, China. (Microbiology 155:1602-1612, 2009)

Virion stability and ability to cross salivary gland barriers of Bemisia tabaci are necessary for transmission of Tomato yellow leaf curl Sardinia virus, but molecular components in glands are also critical, report P. Caciagli and associates at Istituto di Virologia, Italy, and Universitat de Lleida, Spain. (J. Virol. 83:5784-5795, 2009)

Decaying plant tissue is a hot spot for horizontal gene transfer between plants and bacteria as both antibiotic resistance and fluorescence were restored in Acinetobacter baylyi growing on tobacco report A. Pontiroli and associates at Université de Lyon, France, and University of Milan, Italy. (Appl. Environ. Microbiol. 75:3314-3322, 2009)