

molecular detection and characterization of phytoplasmas ... - hybridization assay and sequence analysis of rdna of the phytoplasmas revealed that the genome of the scw1 phytoplasmas and that of the rice yellow dwarf (ryd) phytoplasmas are close to each other. the rdna analysis showed that the scw1 phytoplasmas are also related to the sugarcane grassy shoot phytoplasmas and other phytoplasmas associated with white leaf diseases in gramineous weeds in ... **phytoplasma diseases of sugarcane - springer** - vol. 4 (3&4) : 79 - 85 (2002) review article phytoplasma diseases of sugarcane c. marcone dipartimento di biologia, difesa e biotecnologie agro-forestali, universit~ degli studi della basilicata, campus **detection and molecular characterization of sugarcane ...** - detection and molecular characterization of sugarcane grassy shoot phytoplasma in vietnam trinh xuan hoat & ngo gia bon & mai van quan & vu duy hien & nguyen duc thanh& **molecular characterization of a phytoplasma associated ...** - sugarcane grassy shoot and sugarcane white leaf (fig. 1 a,b). gsd samples have been characterized earlier and compared with other phytoplasma on molecular **phylogenetic relationships of sugarcane grassy shoot ...** - related to it, are sorghum grassy shoot phytoplasma, $\tilde{\phi}\hat{\epsilon}\hat{\alpha}\tilde{\sim}$ candidatus phytoplasma oryzae $\tilde{\phi}\hat{\epsilon}\hat{\alpha}\hat{\text{TM}}$ and $\tilde{\phi}\hat{\epsilon}\hat{\alpha}\tilde{\sim}$ candidatus phytoplasma cynodontis $\tilde{\phi}\hat{\epsilon}\hat{\alpha}\hat{\text{TM}}$. key words: sugarcane grassy shoot, rice yellow dwarf group, ribosomal dna, phylogenetic analysis. **differentiation of phytoplasmas associated with sugarcane ...** - fig.3 dendrogram of phytoplasma infecting sugarcane and gramineousweeds generated from sequencedata. abbreviations are as in fig. 2 likely explanation for the banding pattern of pcr- **rapid detection of sugarcane phytoplasma by pcr ...** - tropical agricultural research vol. 16: 61-70 (2004) rapid detection of sugarcane phytoplasma by pcr amplification using specific primers j.a.u.t. seneviratne, j.m.r.s. bandara1, d. ahangama 1 and li huaping2 **detection of sugarcane grassy shoot phytoplasma infecting ...** - detection of sugarcane grassy shoot phytoplasma infecting sugarcane in india and its phylogenetic relationships to closely related phytoplasmas g.p. rao $\tilde{\hat{\alpha}}$ s. srivastava $\tilde{\hat{\alpha}}$ p.s. gupta $\tilde{\hat{\alpha}}$ s.r. sharma $\tilde{\hat{\alpha}}$ a. singh $\tilde{\hat{\alpha}}$ s. singh $\tilde{\hat{\alpha}}$ m. singh $\tilde{\hat{\alpha}}$ c. marcone **phytoplasma classification: taxonomy based on 16s ...** - 4 phytoplasma classification: taxonomy based on 16s ribosomal gene, is it enough? phytopathogenic mollicutes, vol. 1(1), june 2011 plants infected by phytoplasma exhibit an array of **recent biotechnological approaches in diagnosis and ...** - recent biotechnological approaches in diagnosis and management of sugarcane phytoplasma diseases ... sequence analysis of ribosomal dna (rdna). the biotechnological and molecular assays developed in recent years have been utilized at a large scale to characterize these pathogens at an early stage of growth and for screening planting seed materials for possible elimination and management of ... **molecular identification of agents causing yellows ...** - rflp analysis of the amplified 16s rdna indicated that the detected phytoplasmas infecting oats in lithuania belong to several different subgroups in group 16sri (aster yellows phytoplasma group). **blackwell science ltd transovarial transmission of ...** - feeding them phytoplasma free sugarcane grown from tissue culture. by nested-pcr followed by sequencing, we demonstrated the presence of the phytoplasma in eggs, nymphs and adults of the $\tilde{\hat{\alpha}}\tilde{\sim}$ and second generations thereby showing transovarial transmission. we have also shown by in situ pcr that phytoplasmas were widely distributed throughout the body of the insect. rflp and sequencing ... **detection and identification of phytoplasma dna** - detection and identification of phytoplasma dna in symptomatic mushrooms of the genus ramaria (o. gomphales) by marfa p. martfn', pablo p. daniels', ester torres' & m. teresa telleria' **sugarcane white leaf disease characterization, diagnosis ...** - sugarcane white leaf (scw1) is the most destructive disease of sugarcane in thailand where major cane and sugar production of the world are situated. the severity degree and symptom variance are depended on soil fertility, temperature, cane sette quality, cultural practice and the phloem-colonized phytoplasma amount. the leafhopper matsumuratettix hiriglyphicus is the first known vector that ...

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