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Molecular Characterization Of Trichoderma Isolates

Molecular Characterization and Identification of Biocontrol ...
Molecular Characterization and Identification of Biocontrol Isolates of Trichoderma spp M R HERMOSA, I GRONDONA, E A ITURRIAGA, J M DIAZ-MINGUEZ, C CASTRO, E MONTE,* AND I GARCIA-ACHA Departamento de Microbiologı´a y Gene´tica, CSIC/Universidad de Salamanca, 37002 Salamanca, Spain Received 20 September 1999/Accepted 7 February 2000
Molecular characterization of Trichoderma isolates by ISSR ...
Molecular characterization of Trichoderma isolates by ISSR Marker DOI: 109790/2380-08730105 wwwiosrjournalsorg 3 | Page Morphological characterization The growth patterns of Trichoderma isolates after three days of incubation at 25°C showed significant
Molecular Characterization of Trichoderma viride and ...
Molecular Characterization of Trichoderma viride and Abstract: Nineteen isolates of Trichoderma viride and Trichoderma harzianum obtained from rhizosphere soil An estimated 1,500,000 characterization of the potential biocontrol agents using species of fungi exist in the world [5] Random Amplified Ploymorphic DNA (RAPD) and
Molecular Characterization of Trichoderma Mutants with ...
Molecular Characterization of Trichoderma viride and Trichoderma hazarium Isolated from soil from north Bengal based on rDNA marker and analysis of their PCR-RAPD profiles Global J Biotech and Biochem 5(1): 55-61 Cumagun, CJ, J Hockenhull and M Lubeck 1999 Identification characterization of Trichoderma isolates from Philippine
Biochemical and Molecular Characterization of Trichoderma ...
BIOCHEMICAL AND MOLECULAR CHARACTERIZATION OF SOME TRICHODERMA ISOLATES ANTAGONISTIC TO RHIZOCTONIA SOLANI THE CAUSAL OF BEAN ROOT-ROT Zaki A El-Fiky*; Osama Y Shalaby ** and Nada F Ahmed * * Department …

Molecular and Biochemical Characterization of Potential ...

Molecular and Biochemical Characterization of Potential Isolates of Trichoderma Species Effective against Soil-Borne Pathogens N Srinivasa1*, Deeba Kamil1, Chandu Singh, Avinash Singode3 and Deeksha Gupta1 1Division of Plant Pathology, 2Seed Production Unit, ICAR-Indian Agricultural Research Institute, New Delhi, India

Molecular characterization and identification of ...

MOLECULAR CHARACTERIZATION AND IDENTIFICATION OF BIOCONTROL ISOLATES OF Trichoderma harzianum FROM EMBU DISTRICT, KENYA [CARACTERIZACIÓN MOLECULAR E IDENTIFICACIÓN DE AISLAMIENTOS DE BIOCONTROL DE Trichoderma harzianum DEL DITRITO DE EMBU, KENIA] E N Siameto1, S Okoth2*, N O Amugune2, and N C Chege2

Identification and molecular characterization of egyptian ...

Identification and molecular characterization of egyptian trichoderma isolates Mohamed Ibrahim Abd Elhamid1, Ismail Mohamed Ismail1, Hisham Mohamed Alshishtawy1 and Mohamed Zakaria Sedik2 1Agricultural Genetic Engineering Research Institute, AGERI, ARC, Giza, Egypt 2Microbiology Department, Faculty of Agriculture, Cairo University

Morphological and Molecular Characterization of ...

level of genetic diversity in Trichoderma spp has been reported (Chakraborty etal 2010) that can be used to produce a wide range of products of commercial and ecological interest 2 Materials and Methods 21 Identification and Morphological characterization of Trichoderma sp Isolates of Trichoderma were isolated from soil samples

Morphological Characterization of Biocontrol Isolates of ...

Morphological characterization The five isolates of Tharzianum and seven isolates of Tviride exami ned for this study are listed in Table 1 All the isolates taken for study were already classified as Trichoderma harzianum and Trichoderma viride through biochemical analysis based o n their toxicity over the plant pathogens

MOLECULAR CHARACTERIZATION OF NOVEL ISOLATES OF ...

MOLECULAR CHARACTERIZATION OF NOVEL ISOLATES OF RHIZOCTONIA SOLANI, TRICHODERMA ATROVIRIDE AND FUSARIUM SPP ISOLATED FROM DIFFERENT PLANTS AND CUTTING WOODS IN IRAQ AQEEL N AL-ABEDY1*, RG AL-JANABI1, ZA AL-TMEME1, ALAA TSALIM1 AND MUHAMMAD ASHFAQ2* 1Plant Protection Department, Agriculture College, …

Molecular Characterization and Genetic Variability of ...

Molecular characterization of the potential bio-control agents using RAPD-PCR, helps to determine the diversity and characterization This study aimed to determine DNA fingerprinting and genetic variability of Trichoderma harzianum mutants and their parents by different RAPD markers Materials and Methods Trichodrma harzianum isolates

Antagonistic activity and molecular characterization of ...

Hence, the aim of this study was to identify 12 Trichoderma isolates based on their molecular markers and to evaluate the antagonistic activity of these Trichoderma isolates against several plant pathogens The 12 Trichoderma/Hypocrea isolates were harvested from the rhizosphere of healthy tomato plants in Abha region, Saudi Arabia These isolates

MORPHOLOGICAL CHARACTERIZATION AND SEQUENCE ...

and utilized as BCAs In the present study, 11 Trichoderma isolates were isolated from rhizosphere soils, humus and compost These isolates were

characterized and identified by morphological characterization and sequence analysis of 58S-ITS region The morphological characteristics examined

Pathobio-molecular Identification of Trichoderma sp.

Most isolates of the genus Trichoderma were found to act as mycoparasites of many economically important aerial and soil-borne plant pathogens Trichoderma has gained importance as a substitute for chemical pesticides and hence an attempt was intended to corroborate the positive relatedness of molecular and morphological characters

ISOLATION AND MOLECULAR CHARACTERIZATION OF ...

496 ISOLATION AND MOLECULAR CHARACTERIZATION OF EGYPTIAN TRICHODERMA AND ASSESSMENT OF THEIR ANTAGONISTIC POTENTIAL AGAINST RHIZOCTONIA SOLANI Gamal Mohamedin Hassan*1, Zaki Ahmed El-Feky1,Nada

Isolation, Identification and Characterization of ...

BCAs, almost all Trichoderma isolates exhibited more than 60 % growth inhibition of C paradoxa on the seventh day of incubation in a dual culture Molecular Characterization of Trichoderma

Isolation, Purification and Characterization of Glucanase ...

Isolation, Purification and Characterization of Glucanase Enzyme from the Antagonistic Fungus Trichoderma Sonika Pandey, Mohammad Shahid, Mukesh Srivastava, Antima Sharma Anuradha Singh & Vipul Kumar Biocontrol Laboratory, Department of Plant Pathology, Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, UP India

Journal of Molecular Biomarkers

This result indicated the identification patterns of Trichoderma isolates Journal of Molecular Biomarkers J & Diagnosis o u r n a l o f M o le c u l a B io m a r k r s & D i a g n o s i s ISSN: 2155-9929 Citation: Shahid M, Singh A, Srivastava M, Srivastava DK(2014) Molecular Characterization of Trichodermaviride Isolated from Rhizospheric