

Molecular Characterization Of Trichoderma Isolates By Issr

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Molecular Characterization Of Trichoderma Isolates

Molecular characterization The total genomic DNA was extracted from each isolate of Trichoderma based on cetrimide tetradecyl trimethyl ammonium bromide (CTAB) mini extraction method of Crowhurst et al. (1995) with modification Inter simple sequence repeats (ISSR) analysis

Molecular characterization of Trichoderma isolates by ISSR ...

Physiological and Molecular Plant Pathology. Volume 74, Issues 3-4, May 2010, Pages 274-282. Molecular and biochemical characterization of Trichoderma isolates inhibiting a phytopathogenic fungi Aspergillus niger Van Tieghem. Author links open overlay panel H.P. Gajera D.N. Vakharia. Show more. <https://doi.org/10.1007/s10263-010-9274-4>

Molecular and biochemical characterization of Trichoderma ...

Twelve Trichoderma isolates, tested for antagonism with fungal pathogen, produced and secreted on induction substantial amounts of various cell wall degrading enzymes in comparison to control T 13 (A. niger alone). Maximal specific activity (2.64 U mg⁻¹ protein) of cellulase was produced by control T 13 (A. niger alone).

Molecular and biochemical characterization of Trichoderma ...

Molecular Characterization of Trichoderma spp. Isolates by Internal Transcribed Spacer (ITS) Region Sequencing Technique and its Use as a Biocontrol Agent

Molecular Characterization of Trichoderma spp. Isolates by ...

Molecular characterization and identification of biocontrol isolates of Trichoderma spp. Hermosa MR(1), Grondona I, Iturriaga EA, Diaz-Minguez JM, Castro C, Monte E, Garcia-Acha I. Author information: (1)Departamento de Microbiología y Genética, CSIC/Universidad de Salamanca, 37002 Salamanca, Spain.

Molecular characterization and identification of ...

2.3 Molecular characterization Genomic DNA was extracted from each isolates of Trichoderma atroviride grown in 1000 ml conical flask containing 400 ml of PDB medium. Two agar plugs from actively growing colony of T. atroviride were transferred to each flask aseptically in a laminar flow. The flask was incubated at 23±20C for 7 days. The mycelial mat was

Morphological and Molecular Characterization of ...

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(PDF) Morphological and Molecular Characterization of ...

Characterization of 16 biocontrol strains, previously identified as " Trichoderma harzianum " Rifai and one biocontrol strain recognized as T. viride, was carried out using several molecular techniques. A certain degree of polymorphism was detected in hybridizations using a probe of mitochondrial DNA.

Molecular Characterization and Identification of ...

Molecular characterization of T. asperellum isolates To genotype the 30 T. asperellum isolates, twenty RAPD primers were initially screened with DNA of five isolates. Eight primers (OPA-11; OPAI-06; UBC-611; UBC-17; OPH-01; OPY-07; OPB-05 and OPB-19) were selected to amplify reproducible, scorable RAPD bands with high levels of polymorphisms.

Characterization of Novel Trichoderma asperellum Isolates ...

Morphological, Biochemical and Molecular Characterization of Trichoderma harzianum Isolates for their Efficacy as Biocontrol Agents Kamal Sharma Authors' address: Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala 695017, India (correspondence to R. S. Misra: E-mail: rajshekharmisra@gmail.com)

Morphological, Biochemical and Molecular Characterization ...

Molecular Characterization of Trichoderma Isolates For DNA extraction hyphal tips of Trichoderma isolates were inoculated to 1.5 ml of eppendorf tube filled with 1 ml of Potato dextrose broth and allowed to grow for 72 hours at 28±2 oC incubation.

Isolation, Identification and Characterization of ...

Trichoderma isolates. Thus an integrated approach of morphological and molecular markers can be employed to identify a superior strain of Trichoderma for its commercial exploitation. Key Words:...

(PDF) Molecular characterization of Trichoderma isolates ...

Lipases have many applications in biotechnology, thanks to their ability of acylglycerides hydrolysis. They also possess the unique feature of acting at the lipid-water interface, which distinguishes them from esterases. Commercially useful lipases are produced by microorganisms with the extracellular lipase being produced by many bacteria including Pseudomonas.

Isolation, Optimization, and Molecular Characterization of ...

Morphological characterization of Trichoderma species is based on microscopic measurements of mycelia fragments as well as growth rates of different isolates on different media at different temperatures, while molecular identification is based on sequence comparisons of ITS regions of rDNA gene.

ISOLATION AND MOLECULAR CHARACTERIZATION OF EGYPTIAN ...

agents were identified based on morphological and molecular characterization. These identified bioagents were tested in vitro, and the highest mycelial inhibition was recorded in dual culture assay by Trichoderma harzianum (74.44%), and among organic amendments, maximum mycelial inhibition was found in neem cake (61.11%). In a

Utilizing the combined antifungal potential of Trichoderma ...

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 *Trichoderma harzianum* isolates

Molecular Characterization and Genetic Variability of ...

Economically importance genera *Trichoderma* is used more frequently in crop production and plant agriculture, for high yield and in disease management as biological control agents. In present study genetic characterization (rRNA gene amplification) of twenty four indigenous isolates of *Trichoderma* was carried out through these standard protocols.

Study of Trichoderma Speceis in Lahore, Pakistan | Dodax.com

Molecular characterization of methanotrophic isolates from freshwater lake sediment. A. J. Auman, S. Stolyar, A. M. Costello, M. E. Lidstrom. ... Only one restriction length polymorphism pattern was shown for *pmoA* genes in each isolate, and in cases where, sequencing was done, the *pmoA* copies were found to be almost identical. ...

Molecular characterization of methanotrophic isolates from ...

Characterization of 16 biocontrol strains, previously identified as "*Trichoderma harzianum*" Rifai and one biocontrol strain recognized as *T. viride*, was carried out using several molecular techniques. A certain degree of polymorphism was detected in hybridizations using a probe of mitochondrial DNA.

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