

## Antagonistic Activity Of Streptomyces Sp Lcc 05 Isolated

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### Antagonistic Activity Of Streptomyces Sp

Antifungal activity of Streptomyces sp. B5062 The ability of strain B5062 to inhibit the growth of several plant pathogenic fungi was estimated using the method described by El-Tarabily et al., with minor modifications. Briefly, antifungal activity was evaluated based on its ability to inhibit mycelial growth (Table 1).

### Antagonistic Effect of Streptomyces sp. B5062 against ...

Evaluation of antagonistic activity of Streptomyces sp. Isolates The antagonistic activity of soil isolates was evaluated by Cross Streak method (Rahman et al. 2011). Each of the isolate was streaked on Streptomyces Agar Medium (SAM) as straight line and incubated at 30°C for six days. Then the plates

### Antagonistic Activity of Antibiotic Producing Streptomyces ...

Cross streak method was used to observe the antagonistic activity of the Streptomyces sp. isolates against different fish pathogens belonging to the genus Aeromonas, Pseudomonas and Edwardsiella...

### Antagonistic Activity of Antibiotic Producing Streptomyces ...

Among the ten Streptomyces sp. isolates, seven showed antagonistic activity against different fish pathogenic and human clinical isolates in cross streak method used in this study . Cross streak method is relatively easy and reliable method, especially for the screening program to test the antagonistic activity of antibiotic producing microbes, which is commonly used (Lemos et al. 1985; Ceylan et al. 2008; Arifuzzaman et al. 2010; Rahman et al. 2011; Valli et al. 2012).

### Antagonistic activity of antibiotic producing Streptomyces ...

Marine Streptomyces sp. isolate S073 was shown to have strong antagonistic activity towards the pathogenic Vibrio parahaemolyticus using the agar diffusion method. The antagonistic substance(s) secreted into the supernatant was thermostable and non-proteinaceous in nature.

### Antagonistic activity of marine Streptomyces sp. S073 on ...

The antibacterial activity of cell free extract from Streptomyces sp. (ACT-21) might be due to the presence of active secondary metabolites such as alkaloid and quinine. Jen Cheng et al., [27] reported that, the alkaloid isolated from actinomycete Acrocarpospora showed good antibacterial and antifungal activity against S. aureus, B. subtilis, P. aeruginosa, E.coli, A.niger, C.albicans and S.cereviceae.

### Antagonistic activity of marine sponge associated ...

were marked by the moderate inhibitory activity (Figure 4). Of the tested . Streptomyces. spp., the follow-ing strains showed the highest antagonistic ac-tivity against . Trichoderma koningii: ZER-9 and ZER-29 - inhibiting the growth of the myce-Figure 1. Influence of . Streptomyces. spp. strains isolated from non-rhizosphere soil of potato cultivated

### THE ANTAGONISTIC ACTIVITY OF ACTINOMYCETES OF STREPTOMYCES ...

Twenty two isolates exhibited antagonistic activity against standard ATCC strains. The potential isolate which showed activity against drug resistant pathogens was characterized by molecular taxonomic approach and identified as Streptomyces and designated as Streptomyces sp. VITBRK1.

### Antagonistic activity of marine Streptomyces sp. VITBRK1 ...

Exploration of antagonistic activity of Streptomyces sp. VITTKGB Article (PDF Available) in Journal of Pharmacy Research 4:1656-1658 · January 2011 with 88 Reads How we measure 'reads'

### Exploration of antagonistic activity of Streptomyces sp ...

The aim of the study was to estimate the effect of actinomycetes of genus Streptomyces on the growth of the antagonistic fungus Trichoderma koningii. 150 strains of Streptomyces spp. isolated from two potato cropping systems were used to the tests. Analyses were conducted experimentally in vitro on PDA medium with pH 6 and 7.

### THE ANTAGONISTIC ACTIVITY OF ACTINOMYCETES OF STREPTOMYCES ...

sp. AM-51 also effectively inhibited the growth of various plant and human pathogens Further works are needed on optimization of this strain’s antagonistic activity, isolation and cha- racterization of the antimicrobial metabolite.

### In vitro antagonistic potential of Streptomyces sp. AM-51 ...

Antifungalmycin N2 (3-methyl-3,5-amino-4-vinyl-2-pyrone, C6H7O2N) is a novel bioactive substance produced by Streptomyces sp. N2. In this present work, the antagonistic activity of antifungalmycin N2 and its biocontrol efficacy on Rhizoctonia solani were carried out to evaluate its potential as a biocontrol agent against fungal plant diseases.

### Antagonistic Activity of a Novel Antifungalmycin N2 From ...

Antifungalmycin N2 (3-methyl-3,5-amino-4-vinyl-2-pyrone, C 6 H 7 O 2 N) is a novel bioactive substance produced by Streptomyces sp. N2. In this present work, the antagonistic activity of antifungalmycin N2 and its biocontrol efficacy on Rhizoctonia solani were

### Antagonistic activity of a novel antifungalmycin N2 from ...

Streptomyces sp. VITNK9 showed moderate antagonistic activity accessed by the formation of zone of growth inhibition against, Aeromonas caviae (15.33 mm), Aeromonas hydrophila(17.66 mm), Edwardsiella tarda(18.33 mm), Vibrio anguillarum (14.33 mm) and Vibrio harveyi (14.33 mm). The MIC value of EA extract was ranged between 0.03-0.125 mg mL<sup>-1</sup>.

### ARTICLE Antagonistic activity of terrestrial Streptomyces ...

The aim of the present study was to evaluate the antagonistic activity of marine Streptomyces sp. VITBRK1 against Methicillin resistance Staphylococcus aureus (MRSA) and vancomycin-resistant Enterococci (VRE).

### Antagonistic activity of marine Streptomyces sp. VITBRK1 ...

that Streptomyces sp. strain 9X166 showed the highest antagonistic activity; its β-1,3-glucanase production ability was a key mechanism for growth inhibition of the pathogen. PCR amplification and DNA sequencing of the 16S ribosomal RNA gene allowed the identification of this strain, with high similarity (99.93%) to the

### Antagonistic activity of endo-β-1,3-glucanase from a novel ...

In vitro and in vivo experimental results revealed that Streptomyces sp. strain 9X166 showed the highest antagonistic activity; its β-1,3-glucanase production ability was a key mechanism for growth inhibition of the pathogen.

### Antagonistic activity of endo-β-1,3-glucanase from a novel ...

This antagonistic Streptomyces sp. TT3 showed positive for polyketide synthase type II (PKS-II) gene, which was predicted to be involved in the production of actinorhodin as a secondary metabolite pathway product using DoBISCUIT database.

### Evaluation of Antagonistic and Plant Growth Promoting ...

Many works were published stating the antagonistic activity of the Streptomyces species. For the first time we tried to study against the Nigrospora, which is a predominant pathogen of banana plant. Moreover we tried to find out the cooperative role of both the species towards the fungal pathogen.