

**The antimicrobial, antibiofilm, and wound healing properties of ethyl acetate crude extract of an endophytic fungus *Paecilomyces* sp. (AUMC 15510) in earthworm model**

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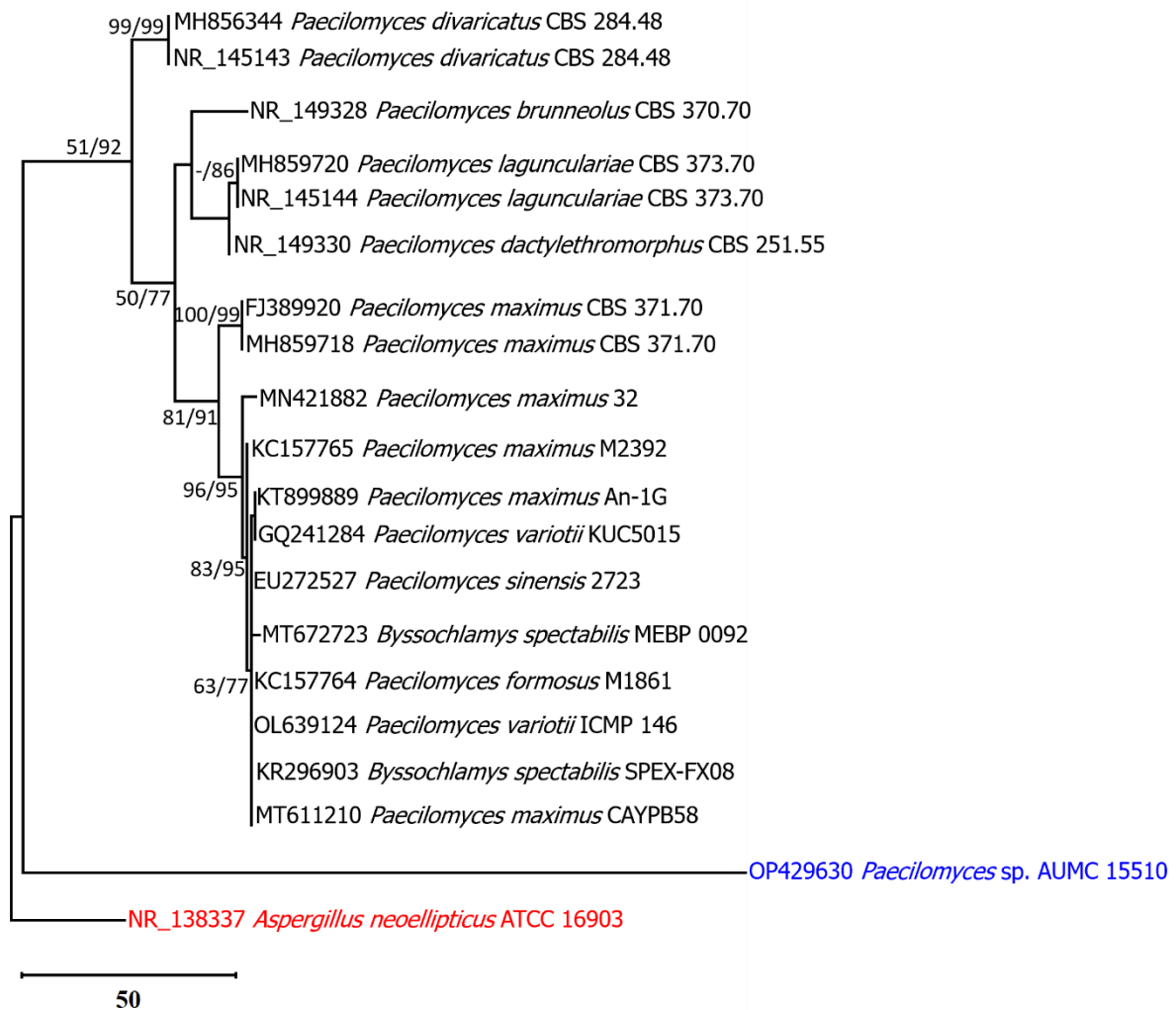
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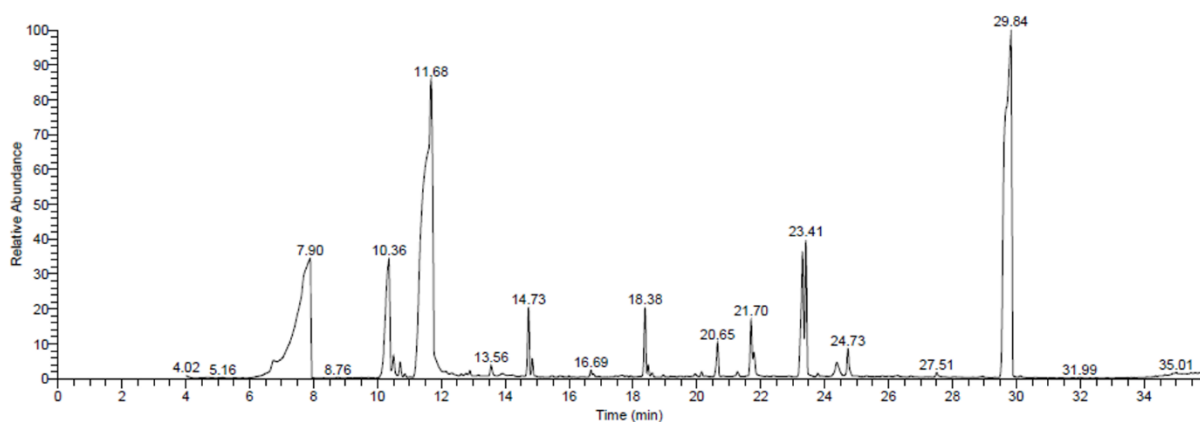
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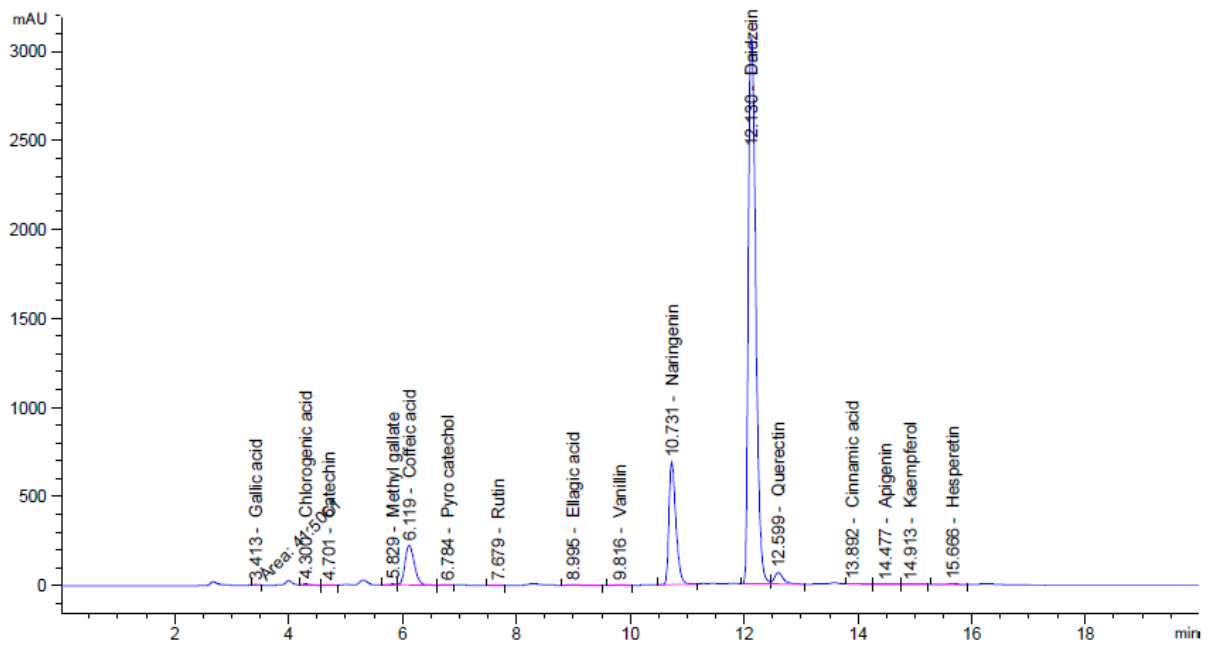
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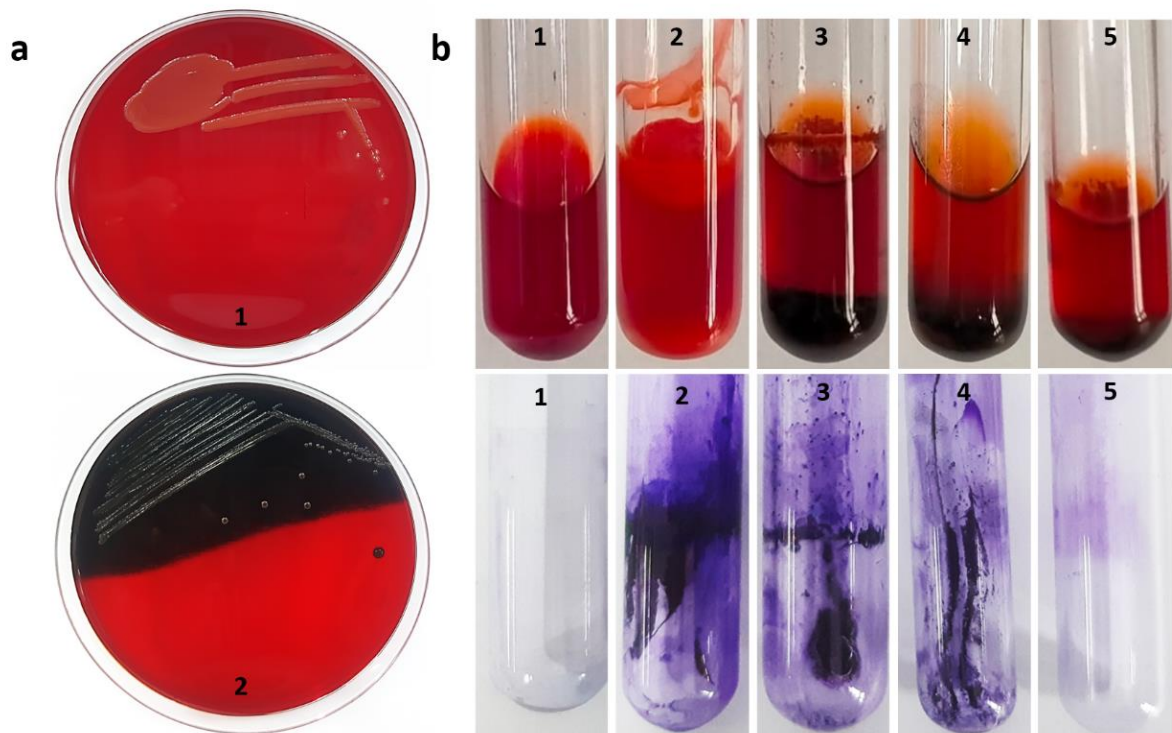
**Figure S1.** Phylogenetic analyses of endophytic fungus *Paecilomyces* sp. (AUMC 15510) isolated from *C. monacantha*. *Aspergillus neoellipticus* ATCC 16903 was designated as an outgroup taxon.



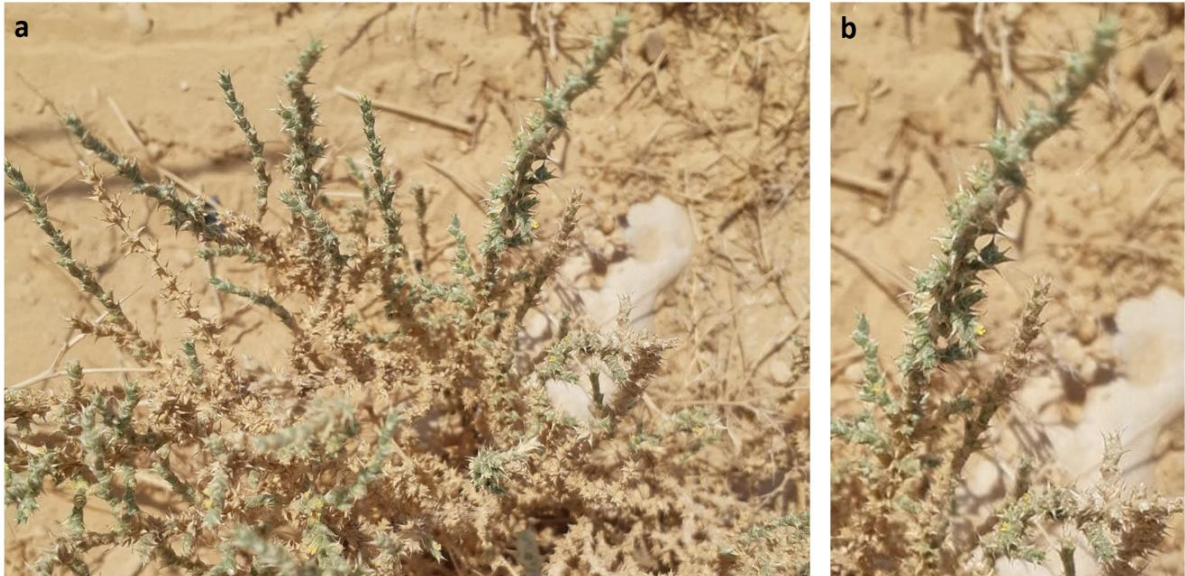
**Figure S2.** GC-MS chromatogram of ethyl acetate crude extract of *Paecilomyces* sp. (AUMC-15510)



**Figure S3.** HPLC chromatogram of ethyl acetate crude extract of *Paecilomyces* sp. (AUMC-15510)



**Figure S4.** (a) Biofilm formation on Congo Red Agar medium. Plate 1: non-biofilm producer reference strain *S. epidermidis* ATCC 12228, Plate 2: biofilm producer strain with black colonies. (b) Biofilm production by tube staining method. Tube 1: control (Broth medium only), Tube 2: biofilm formation by *P. aeruginosa*, Tube 3: *S. aureus* biofilm, Tube 4: *B. subtilis* biofilm, Tube 5: *E. coli* biofilm.



**Figure S5.** *Cornulaca monacantha*: (a) woody shrub (b) *Cornulaca* stem bearing green scale-like leaves with a single spine at the tip.