

Supplementary Material

Chemical Identification of Secondary Metabolites from Rhizospheric Actinomycetes Using LC-MS Analysis: In Silico Antifungal Evaluation and Growth-Promoting Effects

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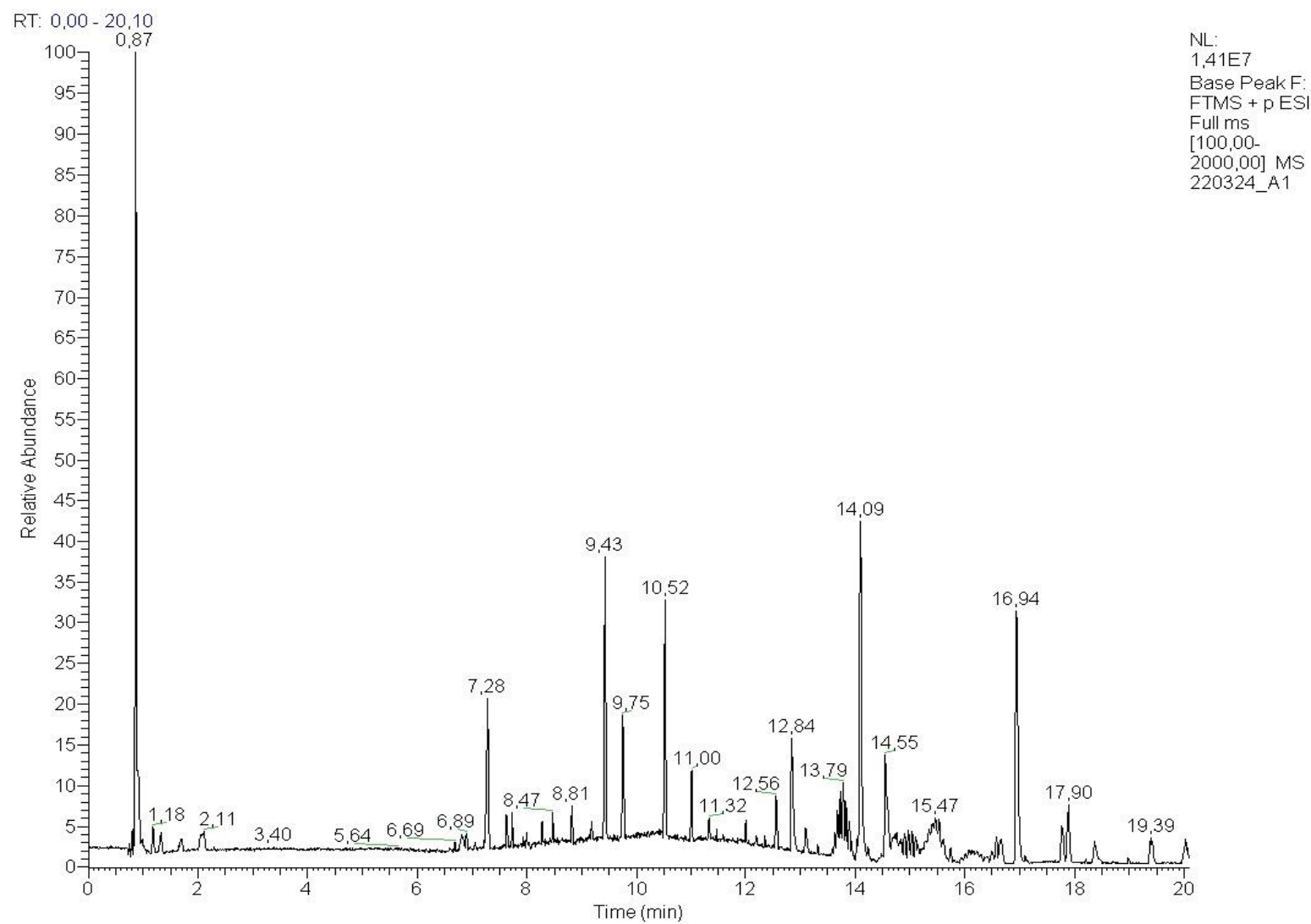


Figure S1. LC-MS chromatogram of the metabolites extracted from *Streptomyces* spp. (Act1).

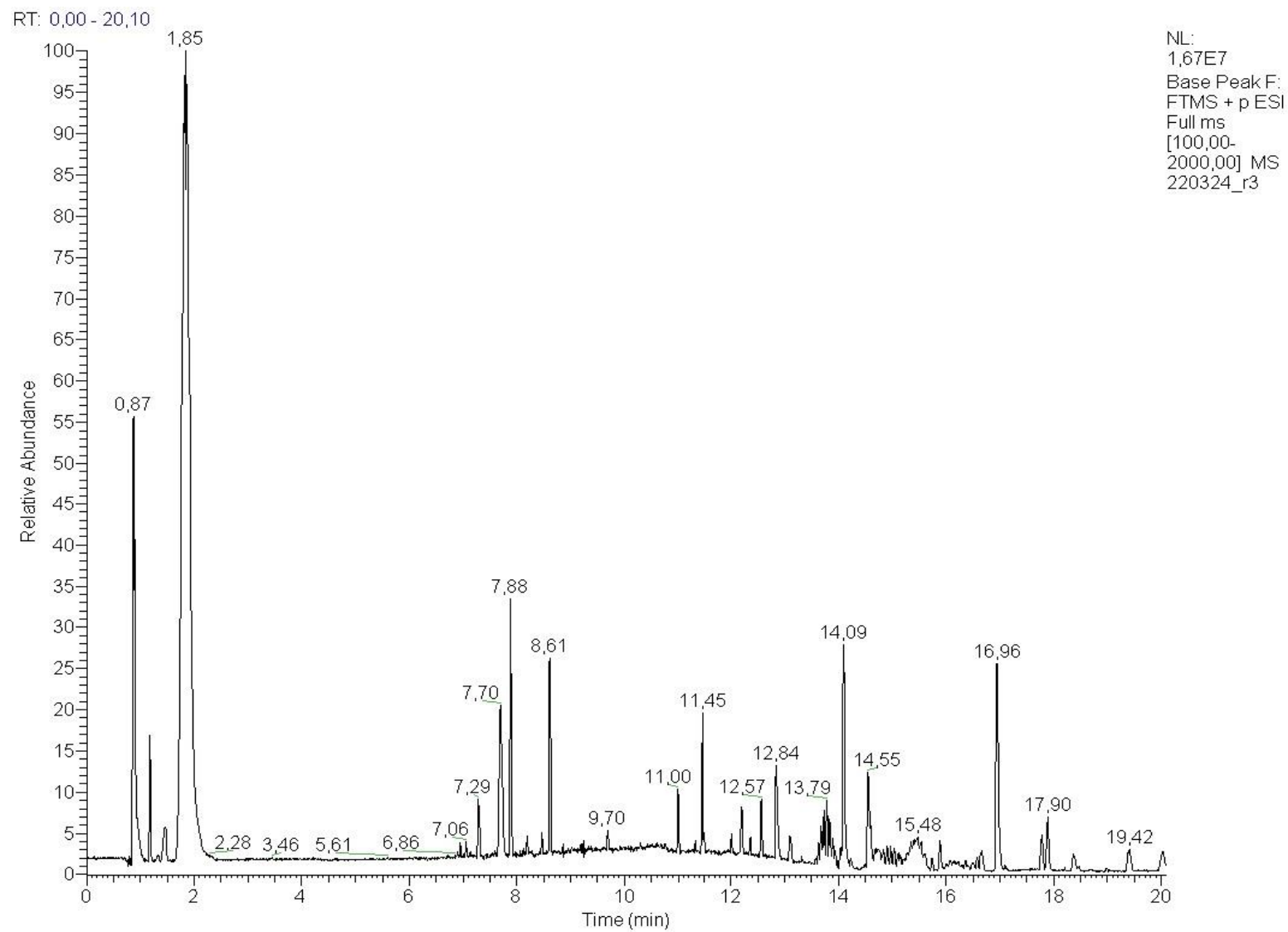


Figure S2. LC-MS chromatogram of the metabolites extracted from *S. atratus* (Act2).

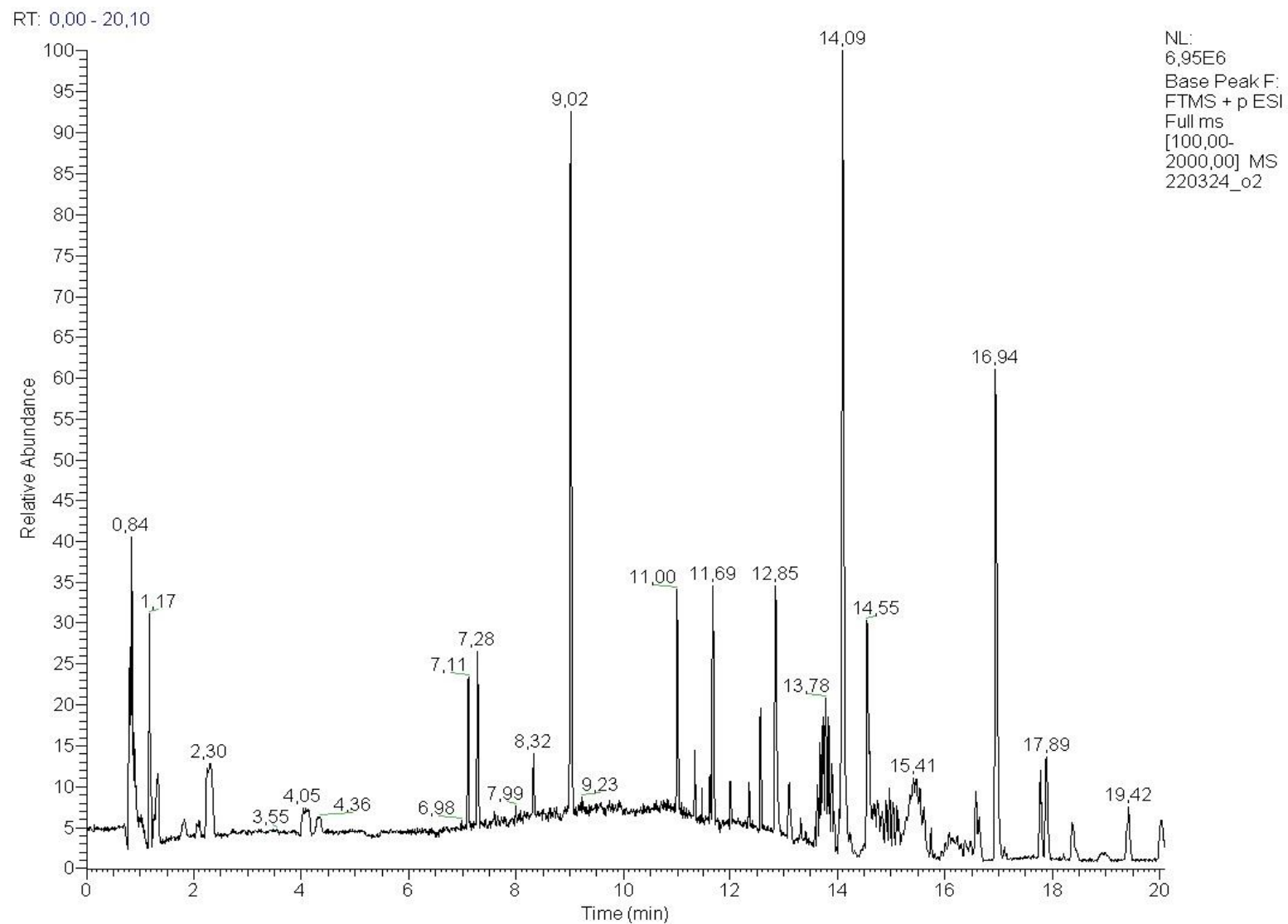
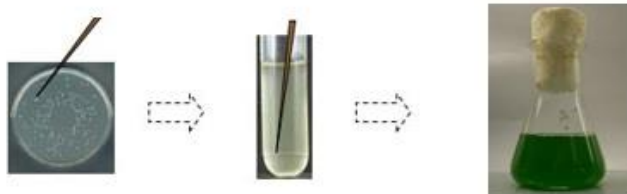


Figure S3. LC-MS chromatogram of the metabolites extracted from *A. humicola* (Act3).



1

Preparation of the microbial broth Culture

Original vegetative cells cultured on agar media for 24 – 96 hrs. at 22° - 37° C



2

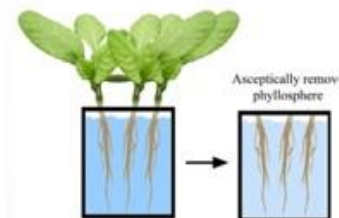
Microbial inoculation in rhizosphere zone or in plant tissues

4

Observation & Measurements :

1- Ecophysiological: NL, SL, TFwS, TDw

2- Disease Index using the following scale: 0= less than 5 % symptomatic leaf; 1= 6 to 20 % of symptomatic leaf; 2= 21 to 50 % of symptomatic leaf; 3= 51 to 80 % of symptomatic leaf; 4 ≥ 80 % of symptomatic leaf.



3

Application of microbial Suspension

Figure S4. Methodological procedures of in silico experiment in greenhouse.