

## Supporting Information

### An integrated chromatographic strategy for the large-scale extraction of ergosterol from *Tulasnellaceae* sp

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**File S1. Species identification of the Endophytic Fungus *Tulasnellaceae* sp. from**

***Gymnadenia orchidis***

Tulasnellaceae sp. CBS 508.93 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, complete sequence; and 5.8S ribosomal RNA gene, partial sequence

LOCUS 272 bp DNA linear PLN 30-SEP-2013

DEFINITION Tulasnellaceae sp. CBS 508.93 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, complete sequence; and 5.8S ribosomal RNA gene, partial sequence.

ACCESSION KF267025

VERSION KF267025.1

KEYWORDS .

SOURCE Tulasnellaceae sp. CBS 508.93

ORGANISM [Tulasnellaceae sp. CBS 508.93](#)

Eukaryota; Fungi; Dikarya; Basidiomycota; Agaricomycotina;  
Agaricomycetes; Cantharellales; Tulasnellaceae.

REFERENCE 1 (bases 1 to 272)

AUTHORS Waud,M.J., Busschaert,P., Ruyters,S., Jacquemyn,H. and Lievens,B.

TITLE Impact of primer choice on characterization of orchid mycorrhizal communities using 454 pyrosequencing

JOURNAL Unpublished

REFERENCE 2 (bases 1 to 272)

AUTHORS Waud,M.J., Busschaert,P., Ruyters,S., Jacquemyn,H. and Lievens,B.

TITLE Direct Submission

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Biology Department, KU Leuven, Kasteelpark Arenberg 31, Heverlee,

Flemish Brabant B-3001, Belgium

COMMENT      ##Assembly-Data-START##

Sequencing Technology :: Sanger dideoxy sequencing

##Assembly-Data-END##

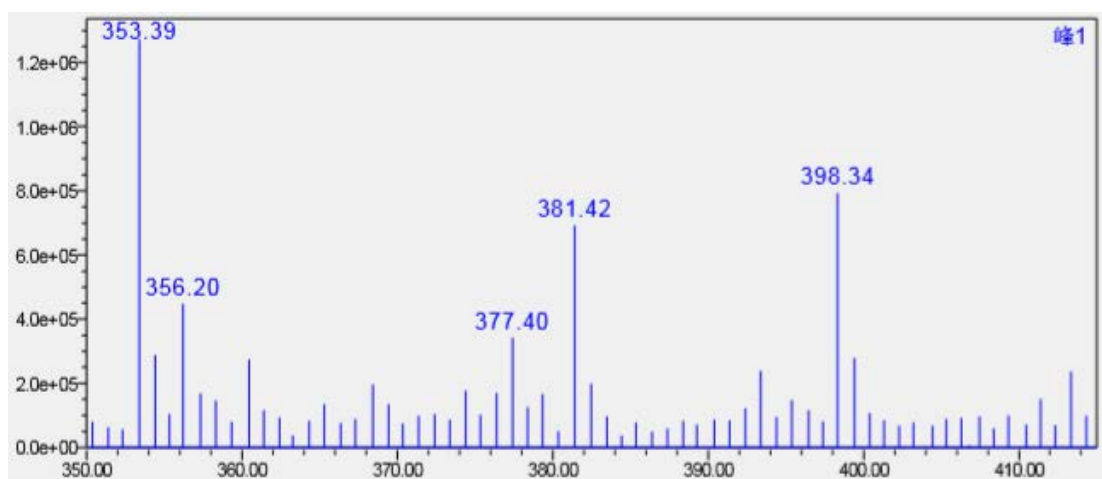
FEATURES                      Location/Qualifiers

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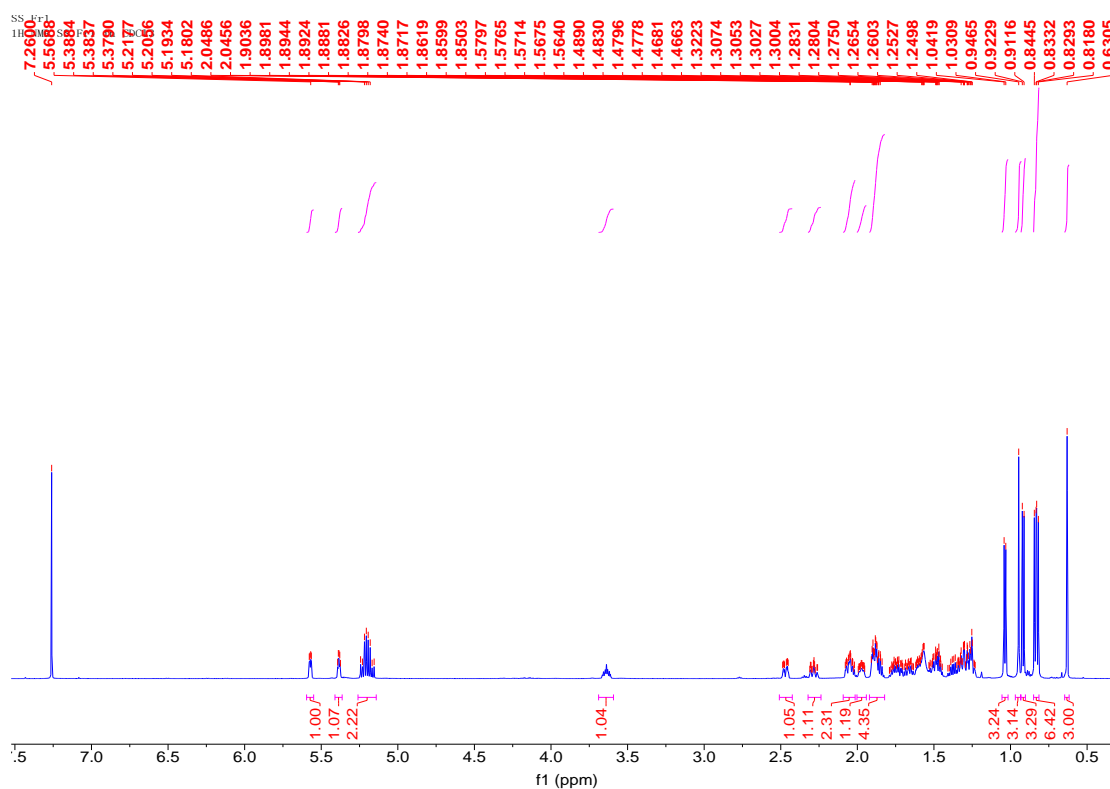
ORIGIN

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121 cttatccacc ccactgtgca tcccggtacg cttcgagcg tagtccttt acacacaacc
181 attgtaattg aattagaacg tgcgcgaatg ataataataa tacaactatc aacaacggat
241 ctcttgcat cccactgat gaagaacgca gc
```

**Figure S1. ESI mass spectrum of ergosterol.**



**Figure S2.  $^1\text{H}$  NMR Spectrum (600 MHz) of ergosterol on the ReproSil C18 analytical column in water/ethanol (in  $\text{CDCl}_3$ ).**



**Figure S3.  $^{13}\text{C}$  NMR Spectrum (151 MHz) of ergosterol on the ReproSil C18 analytical column in water/ethanol (in  $\text{CDCl}_3$ ).**

SS Fr1  
 $^{13}\text{C}$  NMR SS Fr1 in  $\text{CDCl}_3$

