

The genus *Dermoloma* is more diverse than expected and forms a monophyletic lineage in the Tricholomataceae

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Abstract

We present the first phylogenetic evaluation of the genus *Dermoloma*, which is resolved as monophyletic and closely related to *Pseudotracholoma*, a poorly known *Dermoloma*-like lineage within the family Tricholomataceae. The position of *Dermoloma* is confirmed by the placement of the type species, *Dermoloma cuneifolium*, represented by multiple samples including the neotype. Based on our phylogenetic analyses, we recognised 25 European operational taxonomic units (OTUs) but could only assign species names to ten of them based on ex-type sequences. Furthermore, only five additional published *Dermoloma* names of uncertain status are available for the remaining 16 potential European species, thus demonstrating an unexpected amount of taxonomic diversity.