

## Outlineoffungi.org - Note 745 *Hemiaustroboletus*

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### *Hemiaustroboletus* Ayala-Vásquez, García-Jiménez & Garibay-Orijel

Phylogenetic analyses of concatenated LSU-*rpb2* alignment showed that *Hemiaustroboletus* is a monophyletic group, belonging to the *Austroboletioideae* (*Boletaceae*, *Boletales*, [Agaricomycetes](#), [Basidiomycota](#)). *Hemiaustroboletus* is characterized by small and medium basidiomata with slightly ornamented pileus surface, stipe fibrillose to striated without veil, slightly verrucose or cracked to pitted basidiospores and pileipellis formed by an ixotrichoderm or trichoderm ([Ayala-Vásquez et al. 2022](#)). No asexual morph is known. Two species are described within the genus, viz., *H. vinaceobrunneus* Ayala-Vásquez, García-Jiménez & Garibay-Orijel (the type) and *H. vinaceus* Ayala-Vásquez, García-Jiménez & Saldivar. ([Ayala-Vásquez et al. 2022](#)). *Hemiaustroboletus* forms ectomycorrhizae with Fagaceae, particularly *Quercus* and also with *Pinus* in temperate, subtropical and tropical forests ([Ayala-Vásquez et al. 2022](#)). It is distributed in North America (Mexico, USA and Canada) and Asia (China, Japan and Korea) ([Ayala-Vásquez et al. 2022](#)).

### Reference

Ayala-Vásquez O, García-Jiménez J, Aguirre-Acosta E, Castro-Rivera R, ángeles-Argáiz RE, Saldivar AE, Garibay-Orijel R. 2022 – *Hemiaustroboletus*, a new genus in the subfamily *Austroboletioideae* (*Boletaceae*, *Boletales*). *MycKeys* 88, 55–78. <https://doi.org/10.3897/mycokeys.88.73951>

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