

Outlineoffungi.org - Note 1036 *Hongoboletus*

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Hongoboletus G. Wu & Zhu L. Yang

Hongoboletus was introduced by Wu et al. (2023) to accommodate *H. ventricosus* as a mono-type species, based on the morphological characteristics and phylogenetic analysis of ITS, nrLSU, *tef1a*, *rpb1* and *rpb2* sequence data. The type species (\equiv *Boletus ventricosus*) was found on the ground in a mixed forest dominated by *Pinus densiflora* and *Quercus serrata* in Japan. Morphologically *Neoboletus flavidus* and *N. obscureumbrinus* are the closest species to *H. ventricosus*. This genus is characterized by quick dark-blue discoloration of all parts of basidioma upon exposure, a thick context of pileus but a thin hymenophore, yellow hymenophore surface and tubes, a stout stipe lacking reticulations on the surface, an interwoven trichoderm pileipellis, and smooth basidiospores (Wu et al. 2023). The taxonomic placement of *Hongoboletus* is in *Boletaceae*, *Boletales*, *Agaricomycetes*, and *Basidiomycota*.

Reference

Wu G, Li HJ, Horak E, Wu K, Li GM, Yang ZL. 2023 – New taxa of *Boletaceae* from China. *Mycosphere* 14(1), 745–776. <https://doi.org/10.5943/mycosphere/14/1/9>

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