

Outlineoffungi.org - Note 725 *Veloboletus*

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Veloboletus Fechner & Halling

This is a monotypic, bolete genus thus far known from Queensland, Australia ([Crous et al. 2020](#)). Species in this genus occur solitarily to gregariously on soil or sand under *Allocasuarina* sp., *Eucalyptus* sp., and *Eucalyptus grandis*, and is probably ectomycorrhizal with one or more of those plant taxa ([Crous et al. 2020](#)). The analyses of LSU and *tefl* loci supported the monophyly of *Veloboletus* ([Crous et al. 2020](#)). Its position in *Boletaceae* subfamily *Xerocomoideae* (*Boletales*, *Agaricomycetidae*, *Agaricomycetes*, *Basidiomycota*) was supported by LSU, *atp6*, *tefl* and *rpb2* analysis ([Crous et al. 2020](#)). However, beyond its placement in *Xerocomoideae*, no sister group to *Veloboletus* has been clearly inferred ([Crous et al. 2020](#)). The type species is *V. limbatus* Fechner & Halling. Compared with other *Boletaceae*, *Veloboletus* is unique in displaying a conspicuous squamulose universal veil which ruptures to form a limbate rim ([Crous et al. 2020](#)). The pileus, stipe, and flesh in *Veloboletus* stain blue, with the hymenophore staining blue-green to blue or sometimes hardly bluing ([Crous et al. 2020](#)). The tubes are bright yellow to bright greenish yellow, and the pores are olive yellow to olive brown to brown ([Crous et al. 2020](#)). The flesh is pale yellow to lemon yellow, with mild odor and slowly unpleasant to nearly bitter taste ([Crous et al. 2020](#)). *Veloboletus* has a universal veil, which is notable ([Crous et al. 2020](#)). The asexual morph is unknown. Several other boletes in *Xerocomoideae* exhibit veils that could be interpreted as universal (*Boletellus ananas*, *B. ananiceps*, *B. emodensis*, *B. deceptivus*, *B. singeri*, *Aureoboletus longicollis*), but in those taxa the portion of the veil nearest the stipe is not physically connected to the stipe tissue ([Crous et al. 2020](#)).

Reference

Crous PW et al. 2020 – Fungal Planet description sheets: 1112–1181. *Persoonia* 45, 251–409. <https://doi.org/10.3767/persoonia.2020.45.10>

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