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Honshuriella P. Correia, E. Azevedo & M.F. Caeiro)

Correia et al. (2023) introduced the monotypic genus *Honshuriella* to accommodate *H. fusca* (Nakagiri & Tokura) P. Correia, E. Azevedo & M.F. Caeiro (initially named *Corollospora fusca* Nakagiri & Tokura) based on morphological characteristics and phylogeny using ITS and LSU sequence data. The type species, *H. fusca*, differs from *Corollospora* by having a three-layered peridium wall compared to *Corollospora fusca* which only has two layers. Furthermore, *Honshuriella* features such as distinctive ascospores which are large, muriform, ornamented with polar spines and contain longitudinal striations of melanin within a mesospore (Nakagiri & Tokura 1987, McKeown et al. 1996, Correia et al. 2023). These characteristics are not covered in the generic description of *Corollospora*, thereby justifying its placement in a new genus (Correia et al. 2023). Molecular data further support the morphological distinctions. Phylogenetic analyses of ITS and LSU sequences reveal that the isolates of *Honshuriella* form a well-supported clade (Correia et al. 2023). This shows that ITS is a necessary locus for species classification in *Corollospora*-like fungi. *Honshuriella fusca* is a marine fungus reported as a saprobe in wood and sand in Japan, Mexico, and South Africa (Nakagiri & Tokura 1987, Gonzalez et al. 2001, Steinke & Lubke 2003). *Honshuriella fusca* is classified under *Halosphaeriaceae*, *Microascales* (Correia et al. 2023).

References

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