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[Paucimyces](#) R.A. Hanafy, N.H. Youssef & Elshahed

[Hanafy et al. \(2021\)](#) introduced this monotypic, anaerobic gut fungus (reported with zoospores) from the feces of a wild blackbuck antelope, in Oklahoma, the USA. The genus is typified by *Paucimyces polynucleatus* R.A. Hanafy, N.H. Youssef & Elshahed and currently only the type species is known. Phylogenetic analysis using the D1/D2 regions of the LSU (D/D2 LSU) and the ribosomal internal transcribed spacer 1 (ITS1) by [Hanafy et al. \(2021\)](#) confirmed that this genus resides in *Neocallimastigaceae* ([Hanafy et al. 2021](#)). *Paucimyces* is characterized by possessing spherical vesicles at the hyphal tips and mainly monoflagellated zoospores ([Hanafy et al. 2021](#)). Multiple sporangia are developed on the spherical vesicles or the end of sporangiophores ([Hanafy et al. 2021](#)).

Reference

Hanafy RA, Youssef NH, Elshahed M. 2021 – *Paucimyces polynucleatus* gen. nov, sp. nov., a novel polycentric genus of anaerobic gut fungi from the feces of a wild blackbuck antelope. International Journal of Systematic and Evolutionary Microbiology. [https://doi.org/ 10.1099/ijsem.0.004832](https://doi.org/10.1099/ijsem.0.004832)

Entry by

Nalin N. Wijayawardene, Center for Yunnan Plateau Biological Resources Protection and Utilization, College of Biological Resource and Food Engineering, Qujing Normal University, Qujing, Yunnan, China

M Erdoğdu, Department of Landscape Architects, Faculty of Agriculture, Kırşehir Ahi Evran University, Kırşehir, Turkey

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