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[Jorgewrightia](#) Gibertoni & C.R.S. Lira

[Jorgewrightia](#) was established to accommodate one of two clades of *Megasporia* B.K. Cui, Y.C. Dai & Hai J. Li. *Megasporia* is typified by *M. hexagonoides* and the studied specimen was collected from China ([Li and Cui 2013](#)). However, the type locality of *M. hexagonoides* is Argentina. [Lira et al. \(2021\)](#) retrieved a sequence of *M. hexagonoides* from GenBank and the specimen was collected from Argentina. The rebuilt phylogenetic tree of *Megasporia* showed *Megasporia* was not monophyletic and that it included *Dichomitus squalens* ([Lira et al. 2021](#)). The clade with the Argentinean sequence of *M. hexagonoides* was named *Megasporia*, and another clade was named as *Jorgewrightia*. However, if the phylogenies use more samples from a clade named “unnamed clade” in [Wang et al. \(2021\)](#), *Megasporia* is monophyletic and sister to *Dichomitus squalens* ([Li and Cui 2013](#); [Wang et al. 2021](#)). These different results may come from the different genes applied in the phylogenetic analyses [two genes ITS and LSU in [Li and Cui \(2013\)](#) and [Wang et al. \(2021\)](#); four genes ITS, LSU, RPB2 and tef1 in [Lira et al. \(2021\)](#)], but may also be a result of different sampling [one unnamed clade in [Wang et al. \(2021\)](#) was not used in [Lira et al. \(2021\)](#)]. I suggest that this topic needs further research in order to clarify the standing of [Jorgewrightia](#).

References

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