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# Resolving the *Diplodia* complex on apple and other *Rosaceae* hosts

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*Diplodia* species are known as pathogens on many woody hosts, including fruit trees, worldwide. In this study a collection of *Diplodia* isolates obtained mostly from apple and other *Rosaceae* hosts were identified based on morphological characters and DNA sequence data from ITS and EF1-α loci. The results show that the diversity of species associated with twig and branch cankers and fruit rot of apples is larger than previously recognised. Four species were identified, namely *D. seriata* and *D. malorum* (which is here reinstated for isolates with *D. mutila*-like conidia). *Diplodia intermedia* sp. nov. is closely related to *D. seriata*, and *D. bulgarica* sp. nov. is morphologically and phylogenetically distinct from all *Diplodia* species reported from apples.

**Keywords:** APPLE; BLACK-ROT; BOTRYOSPHAERIACEAE; CANKER; DIPLODIA; PHYLOGENY

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