Calonectria species associated with cutting rot of *Eucalyptus*

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Decline in the productivity of *Eucalyptus* hybrid cutting production in the Guangdong Province of China is linked to cutting rot associated with several *Calonectria* spp. The aim of this study was to identify these fungi using morphological and DNA sequence comparisons. Two previously undescribed *Calonectria* spp., *Ca. pseudoreteaudii* sp. nov. and *Ca. cerciana* sp. nov. were identified together with *Ca. pauciramosa*. *Calonectria pseudoreteaudii* resides in the *Ca. reteaudii* complex and *Ca. cerciana* is closely related to *Ca. morganii*. Connected to the discovery of *Ca. pseudoreteaudii*, species in the *Ca. reteaudii* complex were re-considered and the group is shown to accommodate two cryptic species. These originate from Australia and are described as *Ca. queenslandica* sp. nov. and *Ca. terrae-reginae* sp. nov.

Keywords: AUSTRALIA; CALONECTRIA; CHINA; CYLINDROCLADIUM; EUCALYPTUS; SYSTEMATICS
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