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A new fossil species of *Cryptomeria* (Cupressaceae) from the Rupelian of the Lühe Basin, Yunnan, East Asia: implications for palaeobiogeography and palaeoecology

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Abstract: *Cryptomeria* (Cupressaceae) is a relic genus that was widely distributed throughout Eurasia during the Cenozoic. Interpretation of the biogeographic history of this genus is currently limited by lack of fossil records from the Paleogene of East Asia. Here, we report on a new fossil species of *Cryptomeria*, *C. yunnanensis* W.N. Ding et Z.K. Zhou sp. nov., based on well-preserved compressions and impressions from the Rupelian (~ 32 Ma) of the Lühe Basin, Yunnan, Southwest China. Sterile shoots are assigned to *Cryptomeria* based on gross-morphological and cuticular

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