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Detection of the type III secretion system and its phylogenetic and symbiotic characterization in peanut bradyrhizobia isolated from Guangdong Province, China

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ABSTRACT

The distribution of *rhcRST* and *rhcJ-CI* fragments located in different loci of the type III secretion system (T3SS) gene cluster in the peanut-nodulating bradyrhizobia isolated from Guangdong Province, China was investigated by PCR-based sequencing. T3SS was detected in approximately one-third of the peanut bradyrhizobial strains and the T3SS-harboring strains belonging to different *Bradyrhizobium* genomic species. Diverse T3SS groups corresponding to different

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