

## Isolation of *Burkholderia koreensis* sp. nov. at the Field of Ginseng

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Gram-negative, slightly curved rod-shaped bacterium DCY02<sup>T</sup> was isolated at the ginseng field in Daejeon, South Korea. On the basis of 16S rRNA gene sequence similarity, the strain DCY02<sup>T</sup> was shown to belong to the family *Burkholderiaceae* of the  $\beta$ -Proteobacteria related to *Burkholderia terricola* LMG 20594<sup>T</sup> (97.8%), *Burkholderia caledonica* LMG 19076<sup>T</sup> (97.7%), *Burkholderia xenovorans* LMG 21463<sup>T</sup> (97.7%) and *Burkholderia fungorum* LMG 16225<sup>T</sup> (97.4%). Phylogenetic distance from any validly described species within the genus *Burkholderia* was less than 97%. Chemotaxonomic data (major ubiquinone - Q-8; major fatty acids - Summed feature 7 (C18:1  $\omega$ 7c/ $\omega$ 9t/ $\omega$ 12t), Summed feature 4 (C16:1  $\omega$ 7c/C15:0 iso 2OH), C16:0 and Summed feature 3 (C14:0 3OH/C16:1 iso) supported the affiliation of the strains to the genus *Burkholderia*. The results of DNA-DNA hybridization, physiological and biochemical tests allowed genotypic and phenotypic differentiation of the strain from the validly published *Burkholderia* species. Therefore, the strain DCY02<sup>T</sup> represents a new species, for which the name *Burkholderia koreensis* sp. nov. is proposed, with the type strain DCY02<sup>T</sup> (=KCTC 12389<sup>T</sup> =NBRC 100965<sup>T</sup>). The NCBI GenBank accession number for 16S rRNA gene sequence of strain DCY02<sup>T</sup> is AB201286.