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Antifungal activity and characterization of cell-wall degrading enzyme from *Burkholderia* sp. DA-71.

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Antagonistic bacteria against to pathogenic fungi were isolated from green house-soil sample. An antagonistic bacterium DA-71 which strongly inhibit the growth of plant pathogenic fungi, *Botrytis cineria* (gray moldrot), *Rhizoctonia solani* (tamping off), *Aspergillus niger*, *Aspergillus flavus* and *Fusarium oxysporum* was identified as *Burkholderia cepacia* DA-71 by API SYSTEM and 16s rDNA sequence. Antibiotic resistance of the strain was tested by several materials. *Burkholderia cepacia* DA-71 have the activity to hydrolyze extracellular carboxymethylcellulose(CMC) and protein.