Title *Colletotrichum* species associated with cherimoya and other hosts.

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Abstract

Colletotrichum species on chirimoya (*Annona cherimola* Mill.), ilama (*Annona diversifolia* Saff.), and blackberry (*Rubus* sp.) were identified at several sites from Guerrero,Mexico, and Michoacan states, and studied by PCR analysis of the ITS region of rRNA genes. In potato-dextrose-agar and potato-carrot-agar growth media, eight *Colletotrichum*isolates were selected and identified by asexual and sexual structures, and cultural characteristics. Four species were identified, *C. acutatum* (EU016517) on mummified blackberry fruits, *C. fragariae* (AY841137, AY605089) on ilama fruits with anthracnose; this specie plus *C. gloeosporioides* (AY841132, AY841134, AY841135, AY841136) and its teleomorf*Glomerella cingulata*, and *C. orbiculare* (AY841133) on fruits and leaves of cherimoya with anthracnose, stem-end rot, and black spot.