



Review

DNA barcode information for the sugar cane moth borer *Diatraea saccharalis*

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ABSTRACT. We reviewed the use and relevance of barcodes for insect studies and investigated the barcode sequence of *Diatraea saccharalis*. This sequence has a high level of homology (99%) with the barcode sequence of the Crambidae (Lepidoptera). The sequence data can be used to construct relationships between species, allowing a multidisciplinary approach for taxonomy, which includes morphological, molecular and distribution data, all of which are essential for the understanding of biodiversity. The *D. saccharalis* barcode is a previously undescribed sequence that could be used to analyze Lepidoptera biology.

Key words: Cytochrome C Oxidase Subunit I; Mitochondrial sequence; Barcodes; Lepidoptera; *Diatraea saccharalis*