

**Kang, S.** 2010. The *Phytophthora* Database: Current status and future directions. *Phytopathology* 100:S150.

The *Phytophthora* Database (<http://www.phytophthoradb.org>) supports rapid identification of *Phytophthora* species via comparison of sequences at one or more marker loci. Besides archiving marker sequences from most of the known and newly discovered species to support identification and new species description, the database provides a comprehensive overview of *Phytophthora* molecular diagnostics, morphological and pathological characteristics of many of the archived species, and references. Data search and analysis tools in the database include BLAST, Phyloviewer (a program for building phylogenetic trees using selected sequences), Virtual RFLP (a program for generating expected restriction patterns for given sequences), GIS tool (a program for visualizing the geographic origins of species and isolates through a global map), and Cart & Folder (a customized means of storing and sharing data via the database). The current status and future directions of the database will be presented.