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One stop shop-taxonomic update with molecular phylogeny for important phytopathogenic genera

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Many fungi are pathogenic on plants and are responsible for causing significant damage to agriculture and forestry, affecting the economy. They are a part of the natural ecosystem and play a major role in regulating plant numbers. However, morphological identification of plant pathogenic fungi are often hampered by the scarcity of discriminatory taxonomic characters and the endophytic or inconspicuous nature of these fungi. One stop shop (OSS) is a series of papers focused on providing a stable platform for the taxonomy of plant pathogenic fungi. Genera included in these paper series are associated with plant diseases. However, some may not be well-known plant pathogens and Kochs' postulates may have not conducted in order to establish their pathogenicity. The aims of this series of publications is to facilitate the present and future studies of plant pathogenic fungi by providing phylogenetic backbone trees, recommendation of correct names, disease symptoms and latest taxonomic notes. The website, www.onestopshopfungi.org, hosts a database for plant pathogenic fungi. This fungal database allows mycologists and plant pathologists to understand disease symptoms, host distribution, classification, morphology and provides an updated phylogeny which will enhance current understanding of plant pathogens and gain better insights into the current fungal classification system.