



Morphological and Molecular Characterization of Sumatra Disease of Clove in Central Java, Indonesia

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Highlights

- The Sumatra disease has spread widely throughout the Java Island.
- The use of *egl* gene as molecular marker is reliable to correct identification.
- The causal pathogen of Sumatra disease belongs to *Ralstonia solanacearum* *phylotype* 4 as revealed in phylogenetic analysis.