

## Fusarium wilt of banana



# Vascular strands



# Molecular diagnostics



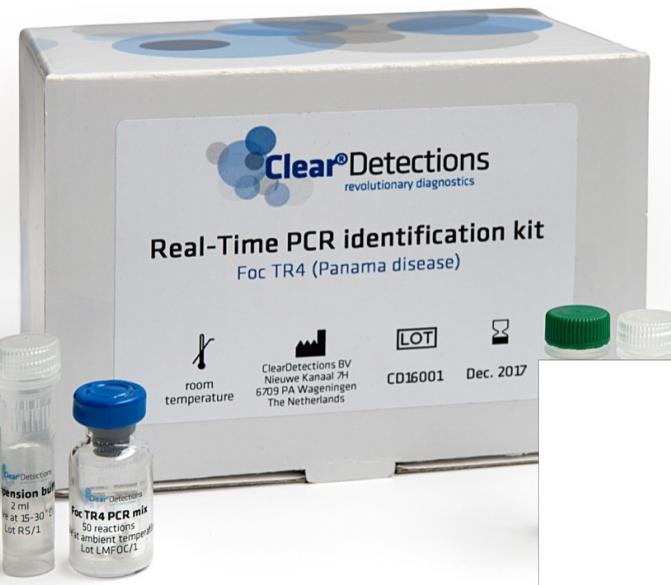
PCR



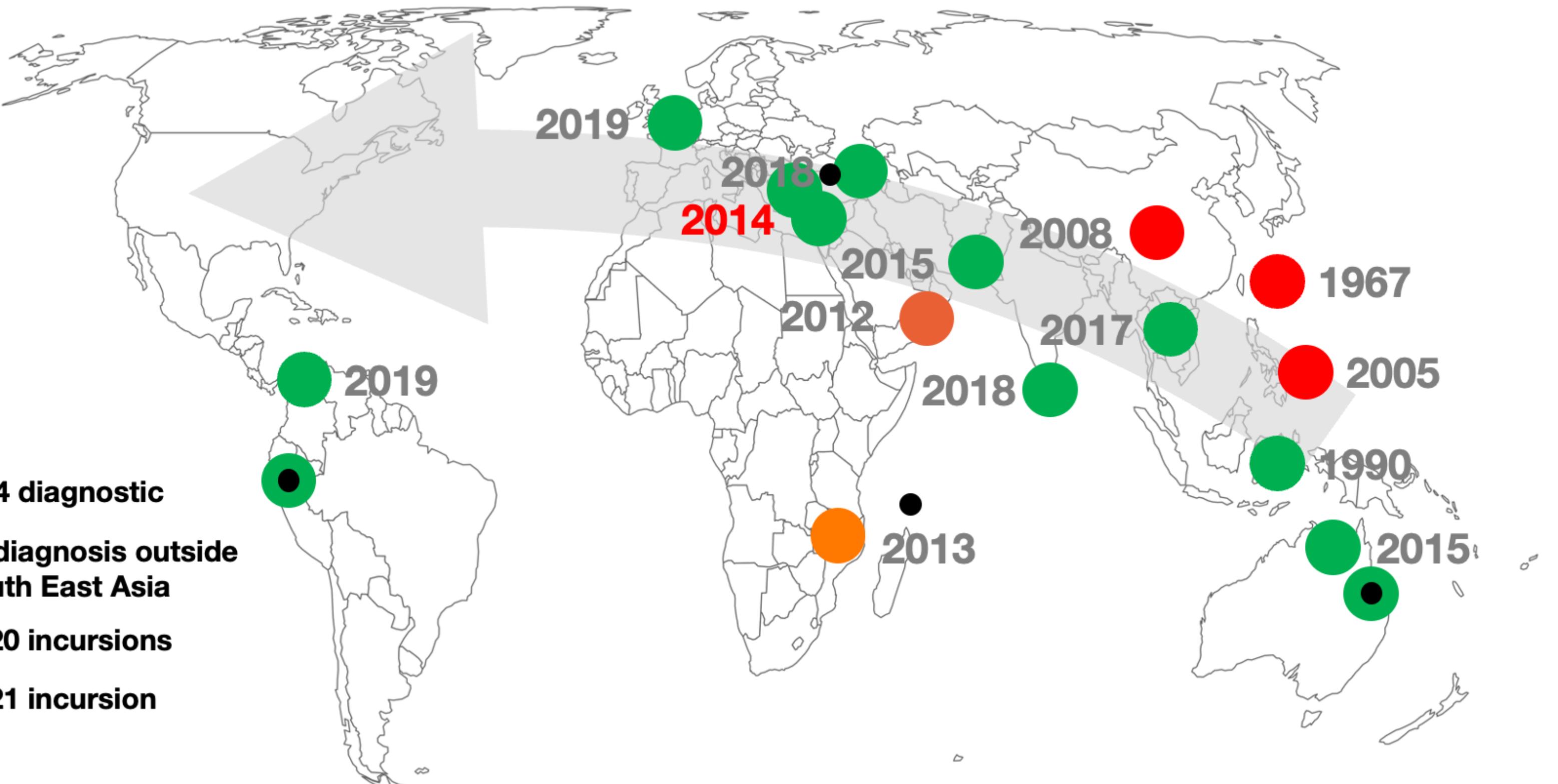
LAMP



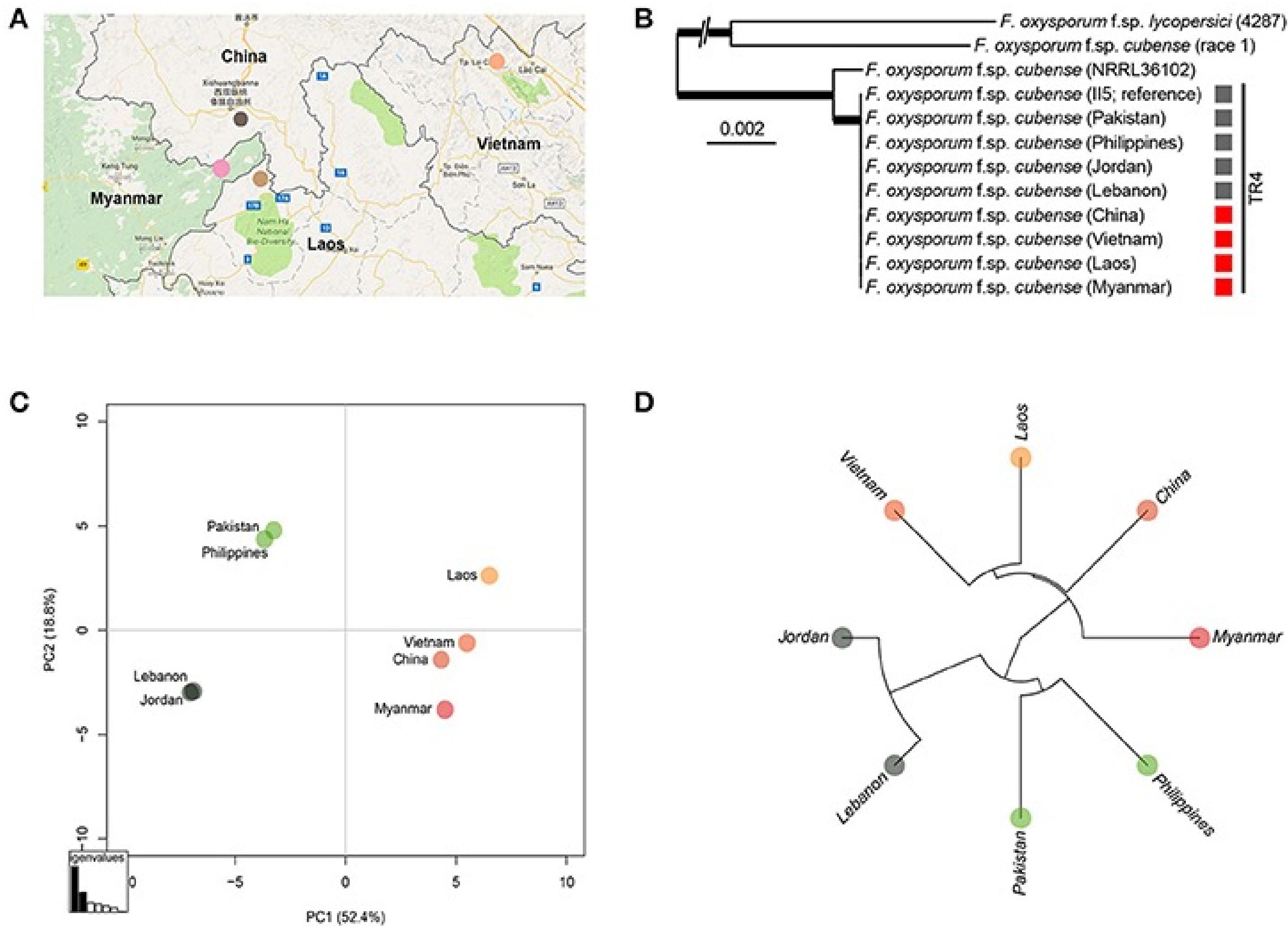
LFD



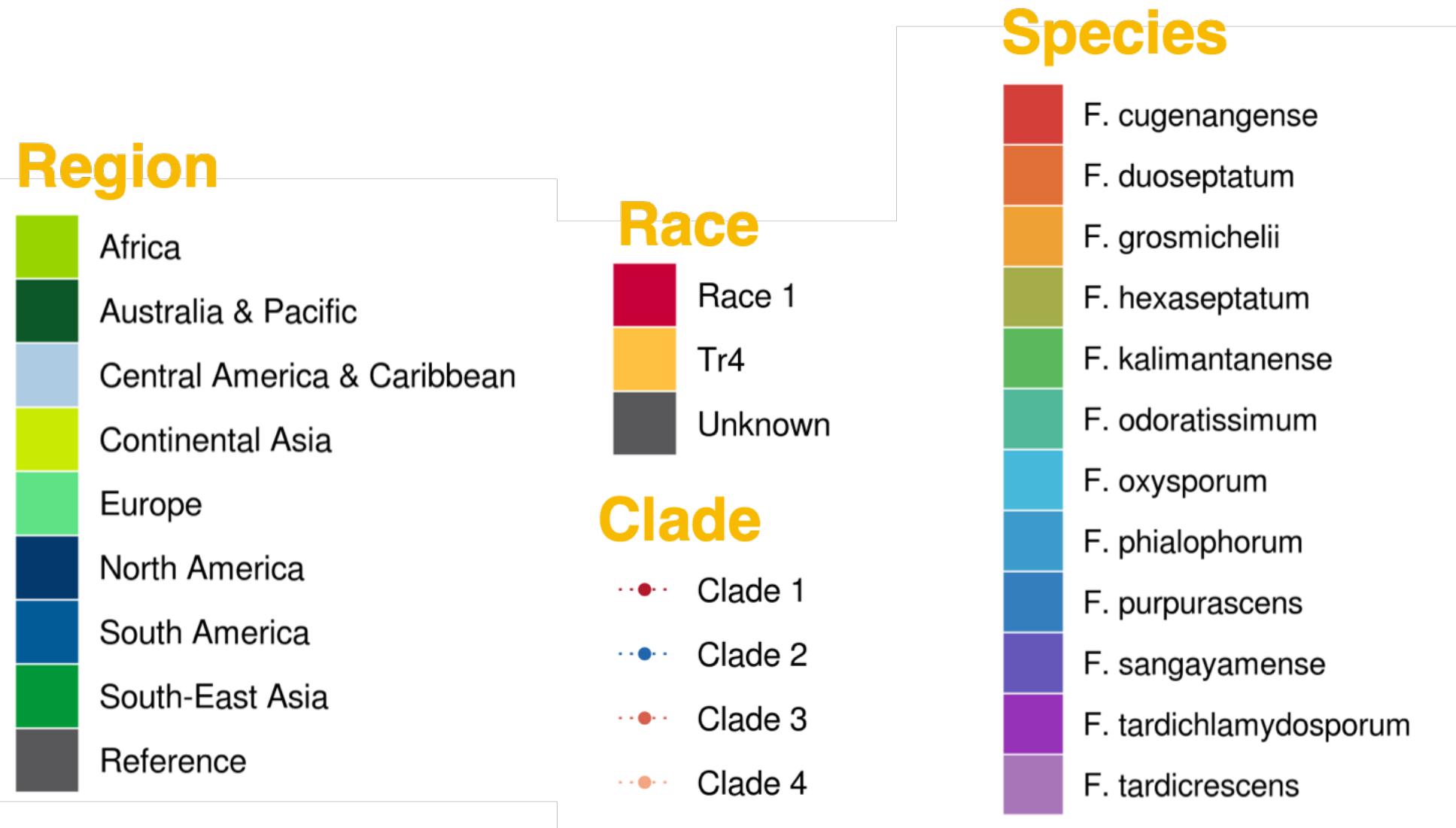
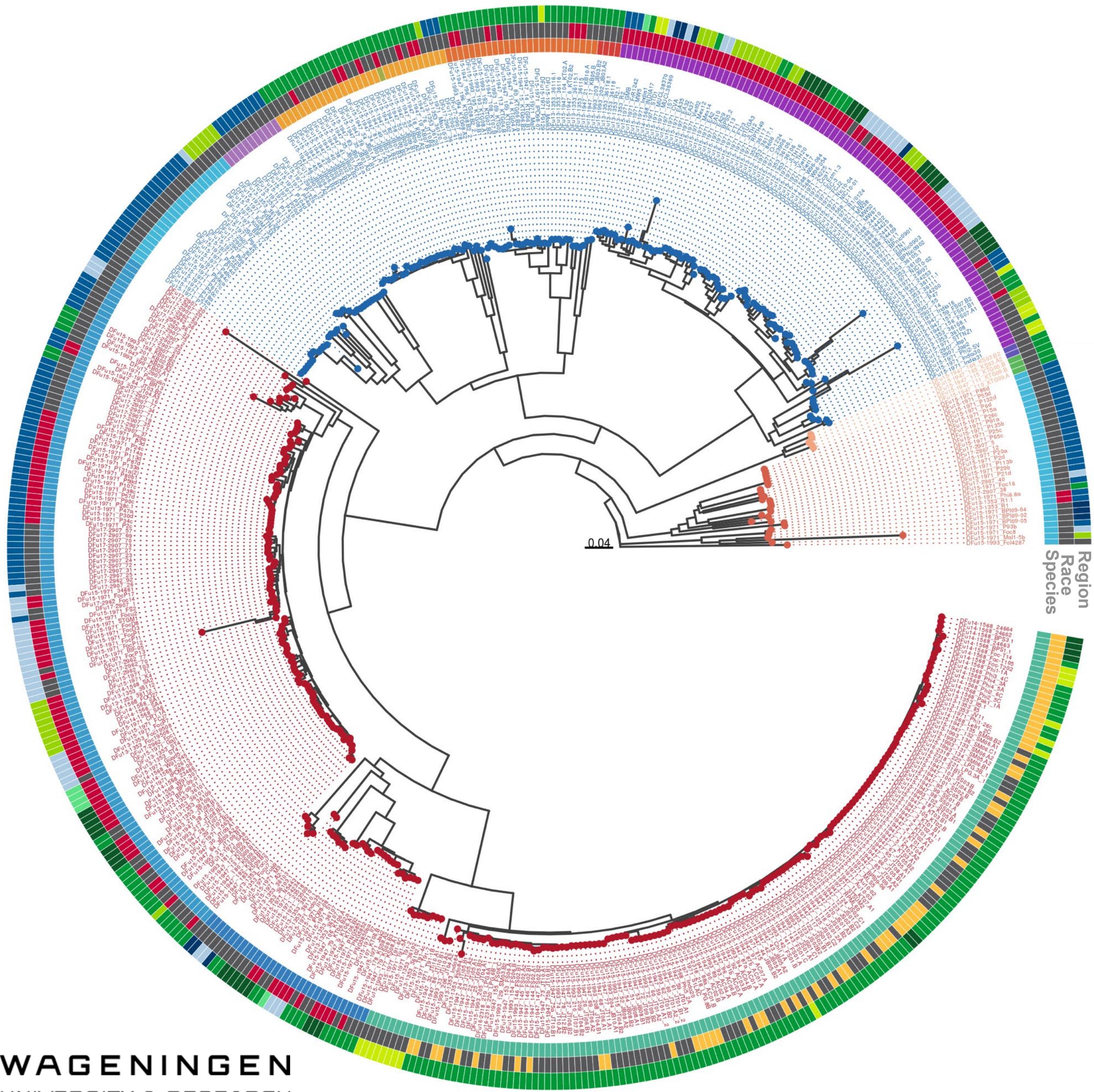
- **TR4 diagnostic**
- **2014 1<sup>st</sup> diagnosis outside South East Asia**
- **2020 incursions**
- **2021 incursion**



# Phylogeography – DNA sequencing



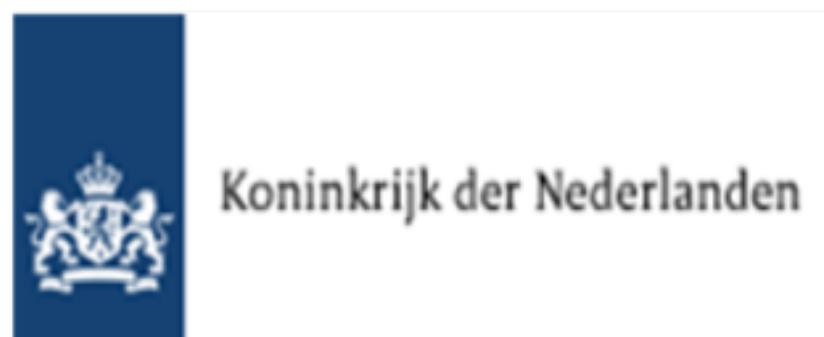
# Phylogenetic relationship of banana associated *Fusarium* species





BILL &  
MELINDA  
GATES  
*foundation*

Dioraphte



# Sponsors & collaborators





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