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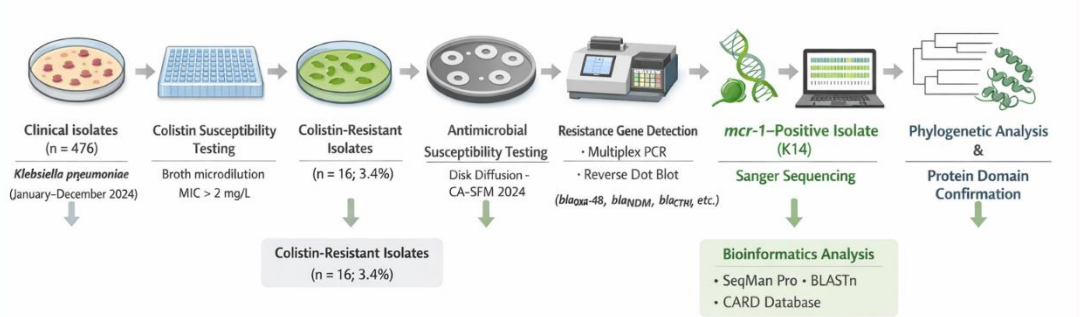
Emergence of mcr-1-Mediated Colistin Resistance in Tunisia: Molecular Detection and Sequencing Confirmation

Manel Ennaceur, Naoures Ouzari , Imen Ouzari, Farouk Barguellil ,Sonia Chouaieb
1:Bacteriology Unit, Laboratory Department, Habib Thameur Hospital, Tunis, Tunisia.

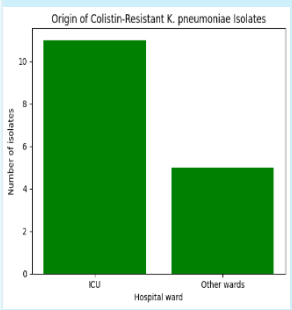
Introduction :

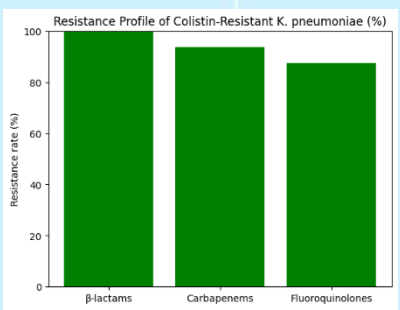
The emergence of plasmid-mediated mcr-1 gene in *Klebsiella pneumoniae* poses a critical threat to global health. This study investigated colistin resistance mechanisms in Tunisian clinical isolates, focusing on *mcr-1* detection and genomic characterization

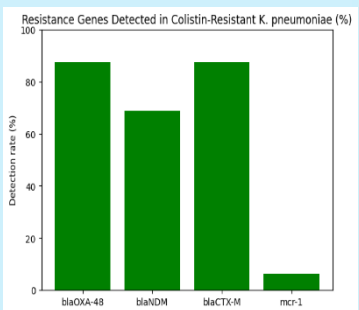
Methodology:

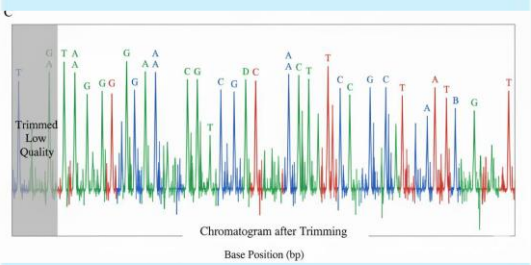


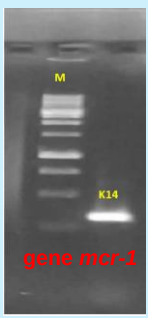
RESULT:











Conclusion:

This first Tunisian report of mcr-1-carrying K. pneumoniae highlights the convergence of colistin resistance with carbapenemases. The findings underscore the urgent need for genomic surveillance to track emerging resistance threats in clinical settings.