



235 Research paper

Plasmids carrying antimicrobial resistance genes in Enterobacteriaceae

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In **Significant Impact Groups:**

AMU reduction strategies \ Monitoring and surveillance

Species targeted: Pigs;Poultry;Dairy;Beef;Sheep;Other;

Age: Young;Adult;

Summary:

Bacterial antimicrobial resistance (AMR) is constantly evolving and horizontal gene transfer through genetic elements known as plasmids plays a major role. The identification of plasmids characteristics and their association with humans and animals provides important information that is essential to understand the contribution of these genes to the transmission of resistance. The purpose of this review is to provide an overview of all known AMR related types of genetic elements (plasmids) in Enterobacteriaceae, the resistance genes they carry and their geographical distribution. This information is very important in the fight against antimicrobial resistance.

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Where to find the original material:

<https://academic.oup.com/jac/article/73/5/1121/4822282>; <https://doi.org/10.1093/jac/dkx488>

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