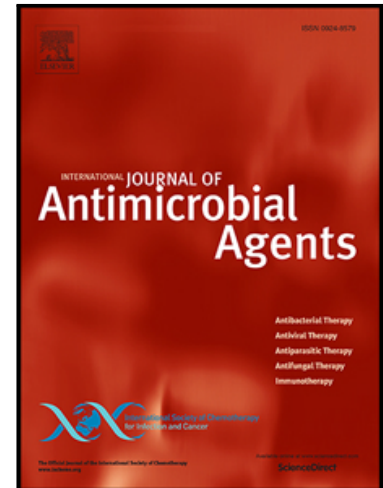


## Accepted Manuscript

Diverse genetic alterations responsible for post-exposure colistin resistance in populations of the same strain of *Klebsiella pneumoniae*

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**Highlights**

- We investigated the intra- and inter-strain diversity of genetic alterations in *Klebsiella pneumoniae* after exposure to colistin.
- We found diverse amino acid alterations associated with colistin resistance between the *K. pneumoniae* strains.
- The mutations varied between single-step colistin-resistant mutants derived from the same strain.
- We found colistin-resistant mutants with no amino acid changes in the PmrAB or PhoPQ two-component regulatory systems, and while some mutants showed *pbgP* mRNA overexpression, others did not.

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