Tipo	Periódico
Título	Temporal evolution of *Acinetobacter baumannii* ST107 clone: conversion of $bla_{OXA-143}$ into $bla_{OXA-231}$ coupled with mobilization of IS*Aba1* upstream *occAB1*
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Assunto (palavras chaves)	Antimicrobial resistance; Clone evolution; Insertion sequence; Multidrug-resistant pathogen; Outer membrane protein; β-lactamase
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Resumo	Nine carbapenem-resistant Acinetobacter baumannii isolates carrying $bla_{OXA-231}$ and an IS*Aba1* upstream *occAB1* were evaluated. They were clonally related and belonged to ST107. An OXA-143-producing *A. baumannii* ST107 strain (Ac-148) that did not possess IS*Aba1* upstream *occAB1* was included in the analysis. Reduction in the expression of *occAB1* and a 4-fold increase of carbapenem MICs were observed for all isolates, except for the Ac-148 strain, probably due to the presence of IS*Aba1* upstream *occAB1* but in the same transcriptional orientation. We reported an *A. baumannii* ST107 clone carrying $bla_{OXA-143}$ that acquired a mutation resulting into $bla_{OXA-231}$ and mobilized IS*Aba1* upstream *occAB1*.
Fomento	