



Although BLAST searches indicate that the insertion containing p019 has been found only in plasmids carrying *bla*<sub>KPC</sub> to date, these two genes are part of different mobile elements. Independent movement is already evident for Tn4401, which has been found in different plasmid backbones flanked by 5-bp DR, indicative of direct insertion, e.g., in p15S (GenBank accession no. FJ223606) (4) and pCOL-1 (KC609323) (11). The presence of p019 and *bla*<sub>KPC</sub> on IncFII<sub>K</sub> plasmids less closely related to pKpQIL (e.g., pKPN-101-IT) (12) or those that belong to other Inc groups, e.g., IncI2 (pBK15692) (5) or IncX3 (pKPC-NY79) (6), also means that detecting p019 does not always indicate closely related or even similar plasmids. Thus, caution needs to be used in correlating the presence of p019 with the presence of *bla*<sub>KPC</sub> or a particular plasmid, and understanding the genetic contexts of markers apparently linked to resistance genes is important.

## REFERENCES

1. Nordmann P, Naas T, Poirel L. 2011. Global spread of carbapenemase-producing *Enterobacteriaceae*. *Emerg. Infect. Dis.* 17:1791–1798. <http://dx.doi.org/10.3201/eid1710.110655>.
2. Naas T, Cuzon G, Villegas MV, Lartigue MF, Quinn JP, Nordmann P. 2008. Genetic structures at the origin of acquisition of the  $\beta$ -lactamase *bla*<sub>KPC</sub> gene. *Antimicrob. Agents Chemother.* 52:1257–1263. <http://dx.doi.org/10.1128/AAC.01451-07>.
3. Leavitt A, Chmelnitsky I, Carmeli Y, Navon-Venezia S. 2010. Complete nucleotide sequence of KPC-3-encoding plasmid pKpQIL in the epidemic *Klebsiella pneumoniae* sequence type 258. *Antimicrob. Agents Chemother.* 54:4493–4496. <http://dx.doi.org/10.1128/AAC.00175-10>.
4. Gootz TD, Lescoe MK, Dib-Hajj F, Dougherty BA, He W, Della-Latta P, Huard RC. 2009. Genetic organization of transposase regions surrounding *bla*<sub>KPC</sub> carbapenemase genes on plasmids from *Klebsiella* strains isolated in a New York City hospital. *Antimicrob. Agents Chemother.* 53:1998–2004. <http://dx.doi.org/10.1128/AAC.01355-08>.
5. Chen L, Chavda KD, Al Laham N, Melano RG, Jacobs MR, Bonomo RA, Kreiswirth BN. 2013. Complete nucleotide sequence of a *bla*<sub>KPC</sub>-harboring IncI2 plasmid and its dissemination in New Jersey and New York hospitals: a hidden threat. *Antimicrob. Agents Chemother.* 57:5019–5025. <http://dx.doi.org/10.1128/AAC.01397-13>.
6. Ho PL, Cheung YY, Lo WU, Li Z, Chow KH, Lin CH, Chan JF, Cheng VC. 2013. Molecular characterization of an atypical IncX3 plasmid pKPC-NY79 carrying *bla*<sub>KPC-2</sub> in a *Klebsiella pneumoniae*. *Curr. Microbiol.* 67:493–498. <http://dx.doi.org/10.1007/s00284-013-0398-2>.
7. Lau AF, Wang H, Weingarten RA, Drake SK, Suffredini AF, Garfield MK, Chen Y, Gucek M, Youn JH, Stock F, Tso H, DeLeo J, Cimino JJ, Frank KM, Dekker JP. 2014. A rapid matrix-assisted laser desorption ionization-time of flight mass spectrometry-based method for single-plasmid tracking in an outbreak of carbapenem-resistant *Enterobacteriaceae*. *J. Clin. Microbiol.* 52:2804–2812. <http://dx.doi.org/10.1128/JCM.00694-14>.
8. Moura A, Pereira C, Henriques I, Correia A. 2012. Novel gene cassettes and integrons in antibiotic-resistant bacteria isolated from urban wastewaters. *Res. Microbiol.* 163:92–100. <http://dx.doi.org/10.1016/j.resmic.2011.10.010>.
9. Siguier P, Perochon J, Lestrade L, Mahillon J, Chandler M. 2006. ISfinder: the reference centre for bacterial insertion sequences. *Nucleic Acids Res.* 34:D32–D36. <http://dx.doi.org/10.1093/nar/gkj014>.
10. Poirel L, Lartigue MF, Decousser JW, Nordmann P. 2005. ISEcp1B-mediated transposition of *bla*<sub>CTX-M</sub> in *Escherichia coli*. *Antimicrob. Agents Chemother.* 49:447–450. <http://dx.doi.org/10.1128/AAC.49.1.447-450.2005>.
11. Naas T, Bonnin RA, Cuzon G, Villegas MV, Nordmann P. 2013. Complete sequence of two KPC-harboring plasmids from *Pseudomonas aeruginosa*. *J. Antimicrob. Chemother.* 68:1757–1762. <http://dx.doi.org/10.1093/jac/dkt094>.
12. Frasson I, Lavezzo E, Franchin E, Toppo S, Barzon L, Cavallaro A, Richter SN, Palu G. 2012. Antimicrobial treatment and containment measures for an extremely drug-resistant *Klebsiella pneumoniae* ST101 isolate carrying pKPN101-IT, a novel fully sequenced *bla*<sub>KPC-2</sub> plasmid. *J. Clin. Microbiol.* 50:3768–3772. <http://dx.doi.org/10.1128/JCM.01892-12>.