

Supplementary Table S1. Conventional PCR primers and programs used to amplify carbapenemases-encoding genes

Gen	Sequence (5'-3')	Amplicon size (bp)	PCR programme	Reference
<i>bla_{KPC}</i>	F - ATGTCACGTATCGCCGTCT R - TTTTCAGACCCTTACTGCCC	893	95°C 15 min, [94°C 1 min, 62°C 1 min, 72°C 1 min] 38 cycles, 72°C 10 min	Pillai, D. R., <i>et al.</i> 2009.
<i>bla_{NDM}</i>	F - GGTCGCGAAGCTGAGCACCGCAT R - GCAGCTTGTCGGCCATGCGGGC	782	95°C 5 min, [95°C 20 s, 65°C 20 s, 72°C 1 min] 35 cycles, 72°C 5 min	Chen, Y., <i>et al.</i> 2019.
<i>bla_{VIM}</i>	F - CCGATGGTGTGTTGGTCGCAT R - GAATGCCGAGCACCAGGAT	391	95°C 5 min, [72°C 7 min, 72°C 1 min, 58°C 1 min] 35 cycles, 72°C 1 min	Poirel, L., <i>et al.</i> 2011.
<i>bla_{IMP}</i>	F - GGAATAGAGTGGCTTAAYTCTC R - GGTTTAAAYAAAACAACCA CC	232	95°C 5 min, [94°C 1 min, 52°C 1 min, 72°C 2 min] 40 cycles, 72°C 10 min	Iran. Doosti, M., <i>et al.</i> 2013.
<i>bla_{OXA-48}</i>	F - GCGTGTTAAGGATGAACAC R - CATCAAGTTCAACCCAACCG	438	94°C 10 min, [94°C 30 s, 52°C 40 s, 72°C 50 s] 36 cycles, 72°C 5 min	Nordmann, P., <i>et al.</i> 2011.

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