



Figure S1. PFGE analysis of 29 *A. baumannii* isolates and OXA-51-like variants identified by sequencing of *bla*<sub>OXA-51-like</sub> genes. A value of 87% was chosen as the threshold for clonality.

Table S1. Primers used for detection of  $\beta$ -lactamase genes and IS*Aba1*.

Primer name	Sequence	Target	Reference
OXA-51-likeF	TAATGCTTTGATCGGCCTTG	<i>bla</i> <sub>OXA-51-like</sub>	(1)
OXA-51-likeR	TGGATTGCACTTCATCTTGG	<i>bla</i> <sub>OXA-51-like</sub>	
OXA-51-like-up	TACTCTATCATTAAATGAGTGC	Upstream region of <i>bla</i> <sub>OXA-51-like</sub>	This study
OXA-51-like-down	GGCCTTCATGAGAAAATGGGC	Downstream region of <i>bla</i> <sub>OXA-51-like</sub>	
OXA-23-likeF	GATCGGATTGGAGAACCAGA	<i>bla</i> <sub>OXA-23-like</sub>	(1)
OXA-23-likeR	ATTCTGACCGCATTTCAT	<i>bla</i> <sub>OXA-23-like</sub>	
OXA-23-down	ATGCCAATGAATGACGAAGCC	Downstream region of <i>bla</i> <sub>OXA-23-like</sub>	This study
OXA-24-likeF	GGTTAGTTGGCCCCCTAAA	<i>bla</i> <sub>OXA-24-like</sub>	(1)
OXA-24-likeR	AGTTGAGCGAAAAGGGGATT	<i>bla</i> <sub>OXA-24-like</sub>	
OXA-24-up	TGGCTGAAAGTGACAAATTCG	Upstream region of <i>bla</i> <sub>OXA-24-like</sub>	This study
OXA-24-down	TAGACCCTATGATTAACCACG	Upstream region of <i>bla</i> <sub>OXA-24-like</sub>	
OXA-58-likeF	AAGTATTGGGGCTTGTGCTG	<i>bla</i> <sub>OXA-58-like</sub>	(1)
OXA-58-likeR	CCCCTCTGCGCTCTACATAC	<i>bla</i> <sub>OXA-58-like</sub>	
OXA-143-F	TGGCACTTTCAGCAGTTCCT	<i>bla</i> <sub>OXA-143-like</sub>	(2)
OXA-143-R	TAATCTTGAGGGGGCCAACC	<i>bla</i> <sub>OXA-143-like</sub>	
OXA-143-like-for	AGTACCTATGGTAATAACCTG	<i>bla</i> <sub>OXA-143-like</sub> <sup>b</sup>	This study
OXA-143-like-rev	AGGGGGCCAACCAACCAGAAG	<i>bla</i> <sub>OXA-143-like</sub> <sup>b</sup>	
ADC-F	GATACGCCTGGTAAATATTGG	<i>bla</i> <sub>ADC</sub>	This study
ADC-R	CGAATCGGCTGATTTTCTTGG	<i>bla</i> <sub>ADC</sub>	
GES-1-F	ATGCGCTTCATTCACGCAC	<i>bla</i> <sub>GES-1-like</sub>	(3)
GES-1-R	CTATTTGTCCGTGCTCAGGA	<i>bla</i> <sub>GES-1-like</sub>	
GES-1-like-up	CGATGCGTGGAGACCGAAACC	Upstream region of <i>bla</i> <sub>GES-1</sub>	This study
GES-1-like-down	CGATTTAGCCACTCATAGAGC	Downstream region of <i>bla</i> <sub>GES-1</sub>	
PER-A	ATGAATGTCATTATAAAAGC	<i>bla</i> <sub>PER-1-like</sub>	(4)
PER-D	AATTTGGGCTTAGGGCAGAA	<i>bla</i> <sub>PER-1-like</sub>	
PER-1-like-up	ATTCAGGTAAGATACTTCGG	Upstream region of <i>bla</i> <sub>PER-1-like</sub>	This study
PER-1-like-down	AACTGATAAGTTGCCCTGCC	Downstream region of <i>bla</i> <sub>PER-1-like</sub> <sup>c</sup>	
NDM-F <sup>a</sup>	CATTTGCGGGGTTTTAATG	<i>bla</i> <sub>NDM</sub>	This study
NDM-R	ATTGGCATAAGTCGCAATCC	<i>bla</i> <sub>NDM</sub>	
CMY-2-like-F	AGACGTTTAACGGCGTGTGG	<i>bla</i> <sub>CMY-2-like</sub>	This study
CMY-2-like-R	GCTGGATTTACGCCATAGGC	<i>bla</i> <sub>CMY-2-like</sub>	
CMY-2-like-up	AACCGTTTGTCAACACGGTGC	Upstream region of <i>bla</i> <sub>CMY-2-like</sub>	This study
CMY-2-like-down	GCAACGACGGGCAAATGCGC	Downstream region of <i>bla</i> <sub>CMY-2-like</sub>	
VEB-F	CGACTTCCATTTCCCGATGC	<i>bla</i> <sub>VEB-1</sub>	(5)
VEB-B	GGACTCTGCAACAAATACGC	<i>bla</i> <sub>VEB-1</sub>	
SPM-GBM-F	GGGTGGCTAAGACTATGAAGCC	<i>bla</i> <sub>SPM</sub>	(6)
SPM-GBM-R	GCCGCCGAGCTGAATCGG	<i>bla</i> <sub>SPM</sub>	
CTX-M-2F	ATGATGACTCAGAGCATTTCG	<i>bla</i> <sub>CTX-M-2</sub>	(7)
CTX-M-2R	TTATTGCATCAGAAACCGTG	<i>bla</i> <sub>CTX-M-2</sub>	
CTX-M-9F	AGACGAGTGCGGTGCAGCAA	<i>bla</i> <sub>CTX-M-9</sub>	This study
CTX-M-9R	GATTCTCGCCGCTGAAGCCA	<i>bla</i> <sub>CTX-M-9</sub>	
CTX-M-10F	GCAGCACCAGTAAAGTGATGG	<i>bla</i> <sub>CTX-M-10</sub>	(7)
CTX-M-10R	GCGATATCGTTGGTGGTACC	<i>bla</i> <sub>CTX-M-10</sub>	
IS <i>Aba1</i> F	CACGAATGCAGAAGTTG	<i>tnpA</i> (IS <i>Aba1</i> )	(8)

<sup>a</sup> Positioned 40 bp upstream of start codon of *bla*<sub>NDM-1</sub>

<sup>b</sup> Anneals to all variants of *bla*<sub>OXA-143</sub> known at the time of preparation of the manuscript

<sup>c</sup> Anneals to *gts* (glutathione S-transferase) gene downstream of *bla*<sub>PER-7</sub> as found in retrotransposon ISCR1 of *A. baumannii* NM55 (9)

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