

**Table S1.** The origin of clinical and reference strains used in the study

Clinical strains			
Specimen origin	Species	<i>n</i> = 78	%
RTI ( <i>n</i> =34)	<i>A. baumannii</i>	23	29.5
	<i>P. aeruginosa</i>	11	14.1
SSTI ( <i>n</i> =18)	<i>A. baumannii</i>	11	14.1
	<i>P. aeruginosa</i>	7	9.0
BSI ( <i>n</i> =10)	<i>A. baumannii</i>	3	3.8
	<i>P. aeruginosa</i>	7	9.0
IAI ( <i>n</i> =4)	<i>A. baumannii</i>	1	1.3
	<i>P. aeruginosa</i>	3	3.8
UTI ( <i>n</i> =4)	<i>A. baumannii</i>	3	3.8
	<i>P. aeruginosa</i>	1	1.3
GTI ( <i>n</i> =3)	<i>P. aeruginosa</i>	3	3.8
CNSI ( <i>n</i> =1)	<i>A. baumannii</i>	1	1.3
Rest ( <i>n</i> =4)	<i>P. aeruginosa</i>	4	5.1

  

Reference strains		
Species	Collection and number	Reference
<i>A. baumannii</i>	DSM No. 102930	<a href="https://www.dsmz.de/collection/catalogue/details/culture/DSM-102930">https://www.dsmz.de/collection/catalogue/details/culture/DSM-102930</a>
<i>A. baumannii</i>	DSM No. 30008	<a href="https://www.dsmz.de/collection/catalogue/details/culture/dsm-30008">https://www.dsmz.de/collection/catalogue/details/culture/dsm-30008</a>
<i>P. aeruginosa</i>	ATCC No. 27853	<a href="https://www.atcc.org/products/27853">https://www.atcc.org/products/27853</a>
<i>E. coli</i>	ATCC No. 25922	<a href="https://www.atcc.org/products/25922">https://www.atcc.org/products/25922</a>

ATCC – American Type Culture Collection, BSI – blood stream infections, CNSI – central nervous system infection, DSM – German Collection of Microorganisms and Cell Cultures, GTI – gastrointestinal tract infections, IAI – intra-abdominal infection, *n* – number of strains, RTI – respiratory tract infection, SSTI – skin and soft tissue infections, UTI – urinary tract infection

**Table S2.** Methods used to detect the activity of carbapenemases and/or carbapenemases encoding genes in the tested and reference strains

Strain	<i>n</i>	Carba NP/ CarbAcineto	Disc-diffusion method (EDTA test)	BD Phoenix NMIC-502 panel (Becton Dickinson)	CPE BD MAX Assay (Becton Dickinson)	eazyplex SuperBug CRE (Amplex Diagnostics)	Classification of the strain
<i>A. baumannii</i>	15	+	NA	class D	NA	OXA-40	carbapenemase-positive
	10	–	NA	class D	NA	OXA-23	
	5	–	NA	class D	NA	OXA-40	
	4	NA	NA	class D	NA	OXA-40	
	2	+	NA	class D	NA	OXA-23	
	2	–	NA	+ (unidentified class)	NA	OXA-23	
	2	–	NA	+ (unidentified class)	NA	OXA-40	
	1	+	NA	+ (unidentified class)	NA	OXA-23	
	1	+	NA	class D	–	OXA-40	
<i>A. baumannii</i> DSM 102930	1	+	+	NA	NDM	NA	
<i>A. baumannii</i> DSM 30008	1	–	–	NA	NA	–	carbapenemase-negative
<i>P. aeruginosa</i>	4	+	+	class B	NA	VIM	carbapenemase-positive
	2	NA	+	+ (unidentified class)	NA	NA	
	1	NA	+	class B	NA	NA	
	1	+	+	+ (unidentified class)	NA	NA	
	1	+	+	class B	NA	NA	
	1	+	NA	+ (unidentified class)	NA	VIM	
	1	+	NA	class B	NA	VIM	
	1	+	+	+ (unidentified class)	NA	VIM	
	22	–	–	NA	–	NA	carbapenemase-negative
	2	–	–	–	–	NA	
<i>P. aeruginosa</i> ATCC 27853	1	–	–	NA	–	NA	

– – negative result, + – positive result, ATCC – American Type Culture Collection, DSM – German Collection of Microorganisms and Cell Cultures, *n* – number of isolates, NA – not applicable