

Table S1. Growth on the SuperPolymyxin agar medium for the studied strains

Strains	Species	Origin	Genotype	MIC of colistin (µg/ml)	Growth on the SuperPolymyxin medium		Discrepancies at 48h
					At 24h	At 48h	
Gram positive isolates							
SAUR	<i>S. aureus</i>	ATCC 29213	/	ND	-	-	No
EFAE	<i>E. faecalis</i>	ATCC 29212	/	ND	-	-	No
Yeast isolates							
CA1	<i>C. albicans</i>	France	/	ND	-	-	No
CA2	<i>C. albicans</i>	France	/	ND	-	-	No
Gram-negative rods isolates with natural resistance to colistin							
R1112	<i>P. mirabilis</i>	France	/	>128	+++	+++	No
R1257	<i>P. vulgaris</i>	France	/	>128	+++	+++	No
R1123	<i>P. stuartii</i>	France	/	>128	+++	+++	No
R1109	<i>M. morgani</i>	France	/	>128	+++	+++	No
R1136	<i>S. marcescens</i>	France	/	>128	+++	+++	No
3075	<i>H. alvei</i>	France	/	8	-	-	VME
1873	<i>H. alvei</i>	France	/	16	+++	+++	No
4788	<i>H. alvei</i>	France	/	8	+++	+++	No
NEU	<i>H. alvei</i>	France	/	8	++	++	No
HAL	<i>H. alvei</i>	France	/	8	++	++	No
99	<i>H. paralvei</i>	France	/	8	+++	+++	No
534	<i>H. paralvei</i>	France	/	4	+++	+++	No
1862	<i>H. paralvei</i>	France	/	8	-	++	No
3628	<i>H. paralvei</i>	France	/	8	+++	+++	No
4817	<i>H. paralvei</i>	France	/	8	++	++	No
35630	<i>H. paralvei</i>	France	/	8	+++	+++	No
ROB	<i>H. paralvei</i>	France	/	8	+++	+++	No
LAF	<i>H. paralvei</i>	France	/	8	+++	+++	No
MAU	<i>H. paralvei</i>	France	/	8	+++	+++	No
ROB	<i>H. paralvei</i>	France	/	8	++	++	No

Gram-negative rods isolates with inconstant susceptibility to colistin

C28	<i>E. cloacae</i>	Colombia	-	16	+++	+++	No
HM	<i>E. cloacae</i>	France	-	>128	+++	+++	No
CAT	<i>E. cloacae</i>	France	-	16	+++	+++	No
AMS	<i>E. cloacae</i>	France	-	>128	+++	+++	No
MON	<i>E. cloacae</i>	France	-	4	-	-	VME
FOU	<i>E. cloacae</i>	France	-	8	+ (4 colonies)	+ (4 colonies)	No
REX	<i>E. cloacae</i>	France	-	>128	+ (10 colonies)	+ (10 colonies)	No
GUE	<i>E. cloacae</i>	France	-	64	+ (5 colonies)	+ (5 colonies)	No
SIM	<i>E. cloacae</i>	France	-	64	-	-	VME
BER	<i>E. aerogenes</i>	France	-	4	-	+++	No
LAU	<i>E. aerogenes</i>	France	-	4	-	-	VME
BER	<i>S. maltophilia</i>	France	/	4	+++	+++	No
GAI	<i>S. maltophilia</i>	France	-	8	-	+++	No
BEL	<i>S. maltophilia</i>	France	/	16	-	+++	No
SEL	<i>S. maltophilia</i>	France	/	16	-	+++	No
TES	<i>S. maltophilia</i>	France	/	32	-	+++	No
Sm2	<i>S. maltophilia</i>	France	-	32	++	++	No
3	<i>S. maltophilia</i>	Italy	-	16	-	-	VME
6	<i>S. maltophilia</i>	Italy	-	4	-	+++	No
8	<i>S. maltophilia</i>	Italy	-	16	-	+++	No
DN52	<i>A. xylosoxidans</i>	Turkey	-	16	+++	+++	No

Gram-negative rods isolates with an acquired mechanism of colistin resistance

MAL	<i>K. pneumoniae</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
C25	<i>K. pneumoniae</i>	Colombia	PmrA G53C	32	+++	+++	No
15.72	<i>K. pneumoniae</i>	France	PmrA G53S	32	+++	+++	No
Af37	<i>K. pneumoniae</i>	South Africa	PmrA G53S	16	+++	+++	No
Af1b	<i>K. pneumoniae</i>	South Africa	PmrB T157P	32	+++	+++	No
C3	<i>K. pneumoniae</i>	Colombia	PmrB T157P	16	+++	+++	No
75	<i>K. pneumoniae</i>	South Africa	PhoP D191Y	64	+++	+++	No
T101	<i>K. pneumoniae</i>	Turkey	PhoQ R16C	128	+++	+++	No

Sa	<i>K. pneumoniae</i>	France	MgrB C28* (MgrB truncated)	128	+++	+++	No
15I5	<i>K. pneumoniae</i>	France	MgrB Q30* (MgrB truncated)	64	+++	+++	No
C11	<i>K. pneumoniae</i>	Colombia	MgrB Q30* (MgrB truncated)	64	+++	+++	No
T232	<i>K. pneumoniae</i>	Turkey	MgrB W47* (MgrB truncated)	32	+++	+++	No
T335	<i>K. pneumoniae</i>	Turkey	MgrB W20R	16	+++	+++	No
21.19	<i>K. pneumoniae</i>	France	MgrB M27K	16	++	++	No
SP1	<i>K. pneumoniae</i>	Spain	MgrB C39Y	4	++	++	No
12E2	<i>K. pneumoniae</i>	France	MgrB N42Y and K43I	4	+++	+++	No
C85	<i>K. pneumoniae</i>	Colombia	MgrB I45T	32	+++	+++	No
SP2	<i>K. pneumoniae</i>	Spain	MgrB P46S	16	+++	+++	No
T311	<i>K. pneumoniae</i>	Turkey	MgrB W47R	4	-	+++	No
HM	<i>K. pneumoniae</i>	France	MgrB <i>ISEcp1/bla</i> _{CTX-M-15}	32	+++	+++	No
C1	<i>K. pneumoniae</i>	Colombia	<i>mgrB</i> promoter truncated with <i>IS10R</i>	64	+++	+++	No
T5	<i>K. pneumoniae</i>	Turkey	<i>mgrB</i> promoter truncated with <i>ISKpn14</i>	32	+++	+++	No
BICb	<i>K. pneumoniae</i>	France	<i>mgrB</i> gene truncated with <i>IS102</i> -like	128	+++	+++	No
T1b	<i>K. pneumoniae</i>	Turkey	<i>mgrB</i> gene truncated with <i>IS5</i> -like	32	+++	+++	No
11I8	<i>K. pneumoniae</i>	France	<i>mgrB</i> gene truncated with <i>IS5</i> -like	16	+++	+++	No
C21	<i>K. pneumoniae</i>	Colombia	<i>mgrB</i> gene truncated with <i>ISKpn13</i>	64	+++	+++	No
C22	<i>K. pneumoniae</i>	Colombia	<i>mgrB</i> gene truncated with <i>ISKpn14</i>	8	+++	+++	No
LECL	<i>K. pneumoniae</i>	France	<i>mgrB</i> gene truncated with <i>IS903b</i> -like	16	+++	+++	No
T4	<i>K. pneumoniae</i>	Turkey	<i>mgrB</i> gene truncated with <i>IS903b</i> -like	64	+++	+++	No
14.22	<i>K. pneumoniae</i>	France	<i>mgrB</i> Δ nt23 (frameshift)	8	+++	+++	No
14.5	<i>K. pneumoniae</i>	France	<i>mgrB</i> Δ nt74 (frameshift)	32	+++	+++	No
HUCA17	<i>K. pneumoniae</i>	Spain	<i>mgrB</i> Δ nt100 (frameshift)	32	++	++	No
C27	<i>K. pneumoniae</i>	Colombia	<i>mgrB</i> Δ nt23/33 (frameshift)	128	+++	+++	No
C12	<i>K. pneumoniae</i>	Colombia	Δ <i>mgrB</i>	32	+++	+++	No
C23	<i>K. pneumoniae</i>	Colombia	Δ <i>mgrB</i>	32	+++	+++	No
G104	<i>K. pneumoniae</i>	Greece	CrrB N141Y	128	++	++	No
Af44b	<i>K. pneumoniae</i>	South Africa	CrrB P151L	>128	+++	+++	No
C7	<i>K. pneumoniae</i>	Colombia	CrrB G183V	32	+++	+++	No
13G2	<i>K. pneumoniae</i>	France	Unknown	8	+++	+++	No
18J1	<i>K. pneumoniae</i>	France	Unknown	128	+++	+++	No
SP3	<i>K. pneumoniae</i>	France	Unknown	4	++	++	No
C5	<i>K. pneumoniae</i>	France	Unknown	16	+++	+++	No
C16	<i>K. pneumoniae</i>	France	Unknown	64	+++	+++	No

C24	<i>K. oxytoca</i>	Colombia	<i>mgrB</i> promoter truncated with IS <i>Kpn26</i> -like	32	+ (3 colonies)	+++	No
BOU	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
SOLAN	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Af23	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Af24	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	4	+++	+++	No
Af31	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Af40	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Af45	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Af48	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Af49	<i>E. coli</i>	South Africa	Plasmid-mediated <i>mcr-1</i> gene	16	+++	+++	No
Eco1	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Eco3	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Eco4	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Eco5	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	16	+++	+++	No
Eco6	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Eco7	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Eco9	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	64	+++	+++	No
Eco10	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
Eco11	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	16	+++	+++	No
41331	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
BELG	<i>E. coli</i>	Belgium	Plasmid-mediated <i>mcr-2</i> gene	4	++	++	No
I112	<i>E. coli</i>	France	Plasmid-mediated <i>mcr-3</i> -like gene	4	++	++	No
GERM	<i>E. coli</i>	France	PmrA L11P	4	++	++	No
ROQ	<i>E. coli</i>	France	PmrA G15R	8	+++	+++	No
GARRI	<i>E. coli</i>	France	PmrB L13P	16	+++	+++	No
465	<i>E. coli</i>	Switzerland	PmrB G19E	4	++	++	No
CHEVR	<i>E. coli</i>	France	PmrB G22E	8	+++	+++	No
CHEVA	<i>E. coli</i>	France	PmrB Δ 30-48	8	+++	+++	No
MALD	<i>E. coli</i>	France	PmrB T114P	4	+++	+++	No
LAGU	<i>E. coli</i>	France	PmrB R138H	8	++	++	No
LAVA	<i>E. coli</i>	France	PmrB R138H, G305R	8	+++	+++	No
ANGE	<i>E. coli</i>	France	PmrB D152V	8	+++	+++	No
Af51	<i>E. coli</i>	South Africa	PmrB D315N	16	+++	+++	No
DESF	<i>E. coli</i>	France	Unknown	16	+++	+++	No
MONN	<i>E. coli</i>	France	Unknown	8	++	++	No

MOTH	<i>E. coli</i>	France	Unknown	8	++	++	No
ROUS	<i>E. coli</i>	France	Unknown	8	+++	+++	No
PER	<i>S. enterica</i>	France	-	4	-	-	VME
136	<i>S. enterica</i>	Spain	Plasmid-mediated <i>mcr-4</i> -like gene	4	+++	+++	No
237	<i>S. enterica</i>	Spain	Plasmid-mediated <i>mcr-1</i> gene	16	+++	+++	No
ANTU	<i>S. enterica</i>	France	Plasmid-mediated <i>mcr-1</i> gene	8	+++	+++	No
POUCH	<i>P. aeruginosa</i>	France	-	4	+++	+++	No
CQV	<i>P. aeruginosa</i>	France	-	4	++	++	No
CQP	<i>P. aeruginosa</i>	France	Unknown	16	+++	+++	No
15308	<i>P. aeruginosa</i>	France	-	64	+++	+++	No
KAR	<i>P. aeruginosa</i>	France	-	128	-	+++	No
25	<i>P. aeruginosa</i>	France	-	≥128	+++	+++	No
26	<i>P. aeruginosa</i>	France	-	8	+++	+++	No
Aba6	<i>A. baumannii</i>	Switzerland	PmrB G260D	>128	+++	+++	No
AbaSP1	<i>A. baumannii</i>	Spain	PmrB P170L	32	+++	+++	No
AbaSP2	<i>A. baumannii</i>	Spain	PmrA E54G, PmrB E140V	>128	+++	+++	No
DN99	<i>A. baumannii</i>	Turkey	-	>128	+++	+++	No
DN224	<i>A. baumannii</i>	Turkey	PmrA E8D, PmrB R263P	128	-	-	VME
DN226	<i>A. baumannii</i>	Turkey	PmrB I163S	32	+++	+++	No
DN236	<i>A. baumannii</i>	Turkey	PmrB I163S	32	-	+++	No
DN276	<i>A. baumannii</i>	Turkey	PmrB I163S	64	+++	+++	No
DN299	<i>A. baumannii</i>	Turkey	PmrB Q265P	>128	+++	+++	No
DN307	<i>A. baumannii</i>	Turkey	PmrB I163S	64	+++	+++	No
26	<i>A. baumannii</i>	Italy	ND	16	+++	+++	No
30	<i>A. baumannii</i>	Italy	ND	4	+++	+++	No
35	<i>A. baumannii</i>	Italy	ND	64	+++	+++	No

Gram-negative rod isolates susceptible to colistin

	<i>K. pneumoniae</i>	ATCC 53153	-	0.25	-	-	No
BRY	<i>K. pneumoniae</i>	France	-	≤0.12	-	-	No
CHE	<i>K. pneumoniae</i>	France	-	0.25	-	-	No
POT	<i>K. pneumoniae</i>	France	-	≤0.12	-	-	No
SOF	<i>K. pneumoniae</i>	France	-	0.25	-	-	No
FET	<i>K. pneumoniae</i>	France	-	0.25	-	-	No
LAT	<i>K. pneumoniae</i>	France	-	≤0.12	-	-	No

RUB	<i>K. pneumoniae</i>	France		≤0.12	-	-	No
RYO	<i>K. pneumoniae</i>	France		≤0.12	-	-	No
BIL	<i>K. oxytoca</i>	France	-	≤0.12	-	-	No
LAR	<i>K. oxytoca</i>	France	-	0.25	-	-	No
LAP	<i>R. ornithinolytica</i>	France	-	≤0.12	-	-	No
	<i>E. coli</i>	ATCC 25922	/	0.25	-	-	No
CLE	<i>E. coli</i>	France	/	≤0.12	-	-	No
GIL	<i>E. coli</i>	France	/	≤0.12	-	-	No
MAR	<i>E. coli</i>	France	/	≤0.12	-	-	No
LEU	<i>E. coli</i>	France	/	0.25	-	-	No
TOS	<i>E. coli</i>	France	/	0.5	-	-	No
EYQ	<i>E. coli</i>	France	/	0.25	-	-	No
JEA	<i>E. coli</i>	France	/	≤0.12	-	-	No
MEN	<i>E. coli</i>	France	/	0.5	-	-	No
RIB	<i>E. coli</i>	France	/	0.25	-	-	No
SIN	<i>E. coli</i>	France	/	≤0.12	-	-	No
ARM	<i>E. coli</i>	France	/	0.25	-	-	No
QUI	<i>E. coli</i>	France	/	≤0.12	-	-	No
LAC	<i>E. cloacae</i>	France	/	≤0.12	-	-	No
MIC	<i>E. cloacae</i>	France	/	≤0.12	-	-	No
DOL	<i>E. cloacae</i>	France	/	0.25	-	-	No
CAT	<i>E. cloacae</i>	France	/	0.5	-	-	No
TAB	<i>E. cloacae</i>	France	/	0.25	-	-	No
NON	<i>E. cloacae</i>	France	/	≤0.12	-	-	No
MEN	<i>E. aerogenes</i>	France	/	≤0.12	-	-	No
LAP	<i>E. aerogenes</i>	France	/	0.25	-	-	No
ART	<i>E. aerogenes</i>	France	/	0.5	-	-	No
MAG	<i>S. enterica</i>	France	/	0.12	-	-	No
REG	<i>S. enterica</i>	France	/	0.5	-	-	No
LAU	<i>C. koseri</i>	France	/	0.25	-	-	No
VIG	<i>C. koseri</i>	France	/	0.25	-	-	No
	<i>P. aeruginosa</i>	ATCC 27853	/	1	-	-	No
WIN	<i>P. aeruginosa</i>	France	/	0.12	-	-	No
CRIS	<i>P. aeruginosa</i>	France	/	0.25	-	-	No
KAR	<i>P. aeruginosa</i>	France	/	0.5	-	-	No

GAR	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
GRE	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
CHR	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
BAR	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
VID	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
MOR	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
SAV	<i>P. aeruginosa</i>	France	/	0.5	-	-	No
CRO	<i>P. aeruginosa</i>	France	/	1	-	-	No
C122	<i>P. aeruginosa</i>	Colombia	/	1	-	-	No
LOC	<i>P. aeruginosa</i>	France	/	1	-	-	No
LEM	<i>P. aeruginosa</i>	France	/	1	-	-	No
CRO	<i>P. aeruginosa</i>	France	/	1	-	-	No
CAP	<i>P. aeruginosa</i>	France	/	1	-	-	No
MEL	<i>P. aeruginosa</i>	France	/	1	-	-	No
GRE	<i>P. aeruginosa</i>	France	/	1	-	-	No
RAV	<i>P. aeruginosa</i>	France	/	1	-	-	No
DUF	<i>P. aeruginosa</i>	France	/	1	-	-	No
DRA	<i>P. aeruginosa</i>	France	/	1	-	-	No
BOU	<i>P. aeruginosa</i>	France	/	1	-	-	No
BON	<i>P. aeruginosa</i>	France	/	1	+++	+++	ME
RIV	<i>P. aeruginosa</i>	France	/	1	++	++	ME
BES	<i>P. aeruginosa</i>	France	/	2	+++	+++	ME
CRO	<i>P. aeruginosa</i>	France	/	2	-	-	No
LLA	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
ALP	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
PAP	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
DAY	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
WUS	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
BOR	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
MER	<i>S. maltophilia</i>	France	/	≤0.12	-	-	No
493050	<i>S. maltophilia</i>	France	-	≤0.12	-	-	No
MAR	<i>S. maltophilia</i>	France	/	0.5	-	-	No
BAB	<i>S. maltophilia</i>	France	/	1	-	-	No
JOL	<i>S. maltophilia</i>	France	/	0.5	-	-	No
DAU	<i>S. maltophilia</i>	France	/	1	-	++	ME

Aba2	<i>A. baumannii</i>	Switzerland	/	≤0.12	-	-	No
1A2	<i>A. baumannii</i>	United States	/	0.25	-	-	No
AMI	<i>A. baumannii</i>	France	/	0.25	-	-	No
HAT	<i>A. baumannii</i>	France	/	0.25	-	-	No
JAY	<i>A. baumannii</i>	France	/	0.5	-	-	No
CHA	<i>A. baumannii</i>	France	/	0.5	-	-	No
DN167	<i>A. baumannii</i>	Turkey	/	1	-	-	No
REV	<i>A. pitii</i>	France	/	0.25	-	-	No
PIT	<i>A. pitii</i>	France	/	≤0.12	-	-	No

NA, not applicable; ND, not determined; -, negative; +, positive with less than 10 colonies; ++, positive with 11 to 100 colonies; +++, positive with more than 100 colonies.