

Supplemental material

Table S1. PCRs and conditions

Primer Name	Primer Sequence 5'-3' ^a	Polymerase	Annealing temperature	Target
blaR1_M1670-XhoI-F	TGAATCTCGAGCTAAAACATTTATAGTTACGCATCAG	<i>Pfu</i> DNA Polymerase (Promega Corporation, Madison, WI)	Cycle 1-4: 53°C Cycle 5-26: 59°C	<i>bla</i> _{ARL} - <i>bla</i> R1 _{ARL} - <i>bla</i> _{ARL} operon
bla_M1670-PstI-R	TCTCTCTGCAGCTCTAAGTGCTGTGGTT			
bla_M1670-NdeI-F	TCTATCATATGAAAAAGTTTTACTATCTTTGTCTTACTC	<i>Pfu</i> DNA Polymerase	Cycle 1-4: 53°C Cycle 5-26: 59°C	<i>bla</i> _{ARL}
bla_M1670-SpeI-R	TATATACTAGTCAATCGAGCTGATGTATTGCATG			
mut_M1670-F	GGTTTATCATAATGAAAAGTTTTACTATCTTTGTCTTACTCTG	Phusion™ Hot Start II High-Fidelity DNA Polymerase (Thermo Fisher Scientific, Waltham, MA)	65°C	<i>bla</i> _{ARL}
mut_M1670-R	CTTTTTCATATGATAAACCTCCTATTTTCCTTCTGTGTTTC			
ARL_ABCtransp-F	GCCATTGGCTAAACCCGATA	FIREPol® DNA Polymerase (Solis Byodine, Tartu, Estonia)	58°C	<i>ABC transporter permease – bla</i> _{ARL}
blaIARL-R	GATGGCGTTTATCAGTACACACC			
blaIARL33610-R ^b	GCTGGCGTTTATCAATATACGCC			
ARL_MaoC-R	GCCATTGGCTAAACCCGATA	FIREPol® DNA Polymerase	60°C	<i>bla</i> _{ARL} – <i>maoC</i>
blaARL-F3	GTWGCACAAGCAGCACGTCA			
blaARL-F	CTATCTTTGTCTTACTCTGTGT	FIREPol® DNA Polymerase	55°C	<i>bla</i> _{ARL}
blaARL-R	GCMTGACGTGCTGCTTGTGC			

^a Restriction sites used for cloning are underlined, start codon of *bla*_{ARL} is in bold

^b Different primer used for strain CCUG 33610 due to nucleotide diversity in *bla*_{ARL}.