

**Table S2** Primer sequences and amplification conditions used to bridge sequence contigs of ESBL plasmid pIHIT34097.

BRIDGE	PRIMER NO. (NAME)	PRIMER SEQUENCE (5'→3')	BASE PAIRS	ANNEALING TEMPERATURE	EXTENSION TIME
1 FW	1918 (repA-IncFIB(K)-RP)	GCCATTCAGAACCTGTATCAG	3602 bp	55 °C	270 s
RV	1964 (Primer 1 rv)	ACCAGCGAACGTAAATAATC			
2 FW	1965 (Primer 2.1 fw)	TCGGTGGAGTGGAAGTATG	2547 bp	58 °C	180 s
RV	1966 (Primer 2.1 rv)	ATTATCGTCTGAGGGCCGG			
3 FW	1967 (Primer 2.2 fw)	AGTCAGAACAAATCAATGCCG	2043 bp	57 °C	120 s
RV	1968 (Primer 2.2 rv)	AGATCCTGCGCCAGTAATTC			
4 FW	463 (345_R)	CATTCCTGGCCGTGGTTCT	2971 bp	58 °C	180 s
RV	380 (qnrB.f)	GATCGTGAAAGCCAGAAAGG			
5 FW	1975 (Primer 3.2 fw)	ATCGGAGGATGAGGTCGTG	2035 bp	59 °C	150 s
RV	393 (aac(6)-Ib.r)	CTCGAATGCCTGGCGTGTTT			
6 FW	394 (aac(6)-Ib-cr)	CGTCACTCCATACATTGCAA	2890 bp	58 °C	180 s
RV	1970 (Primer 4 rv)	TCCTTCGACCGGACCAATC			
7.1 FW	1971 (Primer 5 fw)	TGCACACACCAGCGATGAAC	4403 bp	59 °C	270 s
RV	1972 (Primer 5 rv)	ACAGGTTTCCCCCAATATCGC			
7.2 FW	1971(Primer 5 fw)	TGCACACACCAGCGATGAAC	5334 bp	58 °C	330 s
RV	1655 (CTX-Mu-for)	CGCTTTGCGATGTGCAG			
8.1 FW	1656 (CTX-Mu-rev)	ACCGCGATATCGTTGGT	4424 bp	55 °C	270 s
RV	327 (TEM Grimm rev)	TTAATCAGTGAGGCACCTAT			
8.2 FW	1973 (Primer 6 fw)	ACAGCGGCACACTTCCTAAC	3751 bp	56 °C	240 s
RV	327 (TEM Grimm rev)	TTAATCAGTGAGGCACCTAT			