

TABLE S1. Primers for sequence analysis of DNA fragment in the PACv2

Primer Name	Sequence	Primer Locus
MalP-580	GGTATTGAAATTTTCATTACTTCC	the drug cassette
MalP-581	GTTTTTTCAGTAACCTTTATGAGATCG	5 kb upstream of the drug cassette
MalP-582	CTTCAAATAGATAATTATATGGTAG	10 kb upstream of the drug cassette
MalP-583	GAATTATATATATAATTCCTCTTGTG	15 kb upstream of the drug cassette
MalP-584	ATTCATTTGACGGTAATTTGTTTCAG	20 kb upstream of the drug cassette
MalP-585	GATGGGATACTGGAAAATAAGAGC	The drug cassette
MalP-586	ATTCTCAGTATATACATGTGTGAGTGC	5 kb downstream of the drug
MalP-587	TAATGTACCAGCGTGCACATGCAGG	10 kb downstream of the drug
MalP-588	CTAAATCGAATCCTATTCATGTTC	15 kb downstream of the drug
MalP-589	ATAAATATCTTCAAATATAGATATG	20 kb downstream of the drug
MalP-590	CGATGGGGGATCGTCGACGGTATCG	Forward primer for PACv2
MalP-591	CCGGGATTTTCGTAATCATGGTCAGG	Reverse primer for PAC v2