

Additional file 14 - Primers for split-marker gene replacement strategy.

Lower case indicates sequences that are not complementary to the template in the first PCR step. In the second PCR step, these sequences, which are complementary to the ends of the selectable marker, allow joining of the fragments.

Pairs	Primer	Sequence
<i>pacC</i>		
Pair 1	FP1PacC ^c	CAACCCGGCATGAACTACAG
	RP1PacC ^c	tcctgtgtaaattgttatccgctTTAGACAGATCGTGCGGTGCA
Pair 2	FP2PacC ^c	gtcgtgactgggaaaacGATGTTTGTGTATGAGGTGGC
	RP2PacC ^c	GGGAAGACCGAAAATGAAGAG
Pair 3	M13Rhyg	AGCGGATAACAATTCACACAGGA
	NLC37	GGATGCCTCCGCTCGAAGTA
Pair 4	M13Fhyg	CGCCAGGGTTTTCCAGTCACGAC
	NLC38	CGTTGCAAGACCTGCCTGAA
Pair 5	71	GCGCTTGCGTAATCATGGTC
	pacC_gene_s	GACTTTTCTGCTGCCCCACCACGAC
Pair 6	TtrpCend ^l	GTGAATGCTCCGTAACACCCAATAC
	pacC_gene_as	CGAGACGGCGGCAAACGAAAGCG
	79_pacCc_check_s	AAGGCAAGCGAATCCACTCC
	80_pacCc_check_as	GTACCAGGAACAGGCAGGACG