

Additional file 4: Primers used in this study.

Name	Sequence (5'-3' direction)	Purpose ^a
fd2 rP1	AGAGTTTGATCATGGCTCAG ACGGTTACCTTGTTACGACTT	Amplification of the 16S rRNA gene (T _A : 42°C)
16S-3 16S-5	ATATTGCACAATGGGCGC GCCATTGTAGCACGTGTGTAG	Sequencing of the amplified 16S rRNA gene
pHW126-11 Kan rev	TCATAATTAAAACCTCCATT GCAGACAGTTTATTGTTCATGATG	Amplification (T _A : 50°C) and sequencing in the ori-deletion experiment
pHW4594-fwd pHW4594-rev	CGTCACCAACCGTCATCG GTGTGTCTTGTAAGGTGCAGAGC	Preparation of a probe for Southern blot analysis by PCR (T _A : 50°C)

^a T_A: Annealing temperature used for PCR.