Strain verification

The strains DH10B-MOsp807II, DH10B-M2NmeMC58II and DH10B-MXmnI were streaked onto LB plates containing 25 µg/ml zeocin, and single colonies were expanded, and genomic DNA extracted for PCR using Q5 polymerase (NEB) with primers CO7212/7213. These primers amplify the region containing the methylase transcription unit along with the flanking zeocin selection marker and arsB homologous sequences. The amplified sequences are listed in the supplementary data section of PMID 29986052 as MOsp807II-zeo-arsb, M2NmeMC58II-zeo-arsb and MXmnI-zeo-arsb.

The PCR products were purified and sequenced using the following primers:

DH10B-MOsp807II: CO7207, CO7222, CO7296

DH10B-M2NmeMC58II: CO7290, CO7291, CO7296

DH10B-M2XmnI: CO7292, CO7293, CO7294, CO7295, CO7296

The primer sequences are:

CO7207 GGGATAAAGGACTGGCGCACA

CO7212 TTCTGTTACCCATCCAATTGTTC

CO7213 CAGGCGCTTACCCGCTTCAT

CO7222 GTACTCCGCCATCTTTTGGACC

CO7290 TCCCAGATCCCAGGTGTGTATC

CO7291 ACAAAACTAAACGCGGTGGAGAT

CO7292 TCCTTACGCCACTTCTTGATCACT

CO7293 TCTCAATGAAGGCTACCACTGTGT

CO7294 CTTTGCAATATAGACTGGACTGTGT

CO7295 TTTAGGTGATTTGGCCAGCGAGAT

CO7296 TGGTCAACTTGGCCATGATGGCT

The strains are sensitive to ampicillin (100 µg/ml), kanamycin (30 µg/ml), spectinomycin (50 µg/ml), and chloramphenicol (25 µg/ml). The strains are resistant to zeocin (25 µg/ml) and streptomycin (50 µg/ml).