

Table S1 A. Bacterial strains and plasmids used in this study.

Bacterial strains / plasmids	Relevant characteristics	Reference
Strains		
<i>M. gryphiswaldense</i>		
WT		D. Schüler and M. Köhler, Zentralblatt Mikrobiol 147, 1992
<i>E. coli</i>		
DH5 α	F ⁻ <i>supE44</i> Δ <i>lacU169</i> (Φ 80 <i>lacZDM15</i>) <i>hsdR17</i> <i>recA1</i> <i>endA1</i> <i>gyrA96</i> <i>thi-1</i> <i>relA1</i>	Invitrogen
WM3064	donor strain for conjugation, <i>dap</i> auxotroph (<i>thrB1004</i> <i>pro</i> <i>thi</i> <i>rpsL</i> <i>hsdS</i> <i>lacZ</i> Δ M15 RP4-1360 Δ (<i>araBAD</i>)567 Δ <i>dapA1341</i> ::[<i>erm</i> <i>pir</i>])	W. Metcalf (unpublished)
Plasmids		
pBAM1 (original)		E. Martínez-García <i>et al.</i> , BMC Microbiol 11, 2011
GeneArt [®] plasmid	synthetic transposase ($P_{mamDC45}$)	This study
pBAMOpt	synthetic transposase (P_{mamDC})	This study

Table S1 B. Primers used in this study.

Name	Sequence (5'-3')
IB056	ATGGAACCTGGCAGATCAGAAGT
IB057	TCAAAGAACAATCCAGAACTCTTGG
IB058	ATGAGGAAGAGCGGTTGCGC
IB059	TCATCCTGCGAGAACGGCGA
IB060	ATGATTGAAATTGGCGAGACCA
IB061	CTCAATGAGACCTTCTACATCGACTG
IB062	ATGGCAGTAAGCGATGCGG
IB063	TCACTGCACGGTCATCCACA
IB064	ATGGGTACGCCAGGGGG
IB065	TTATTTCGGAACCAGTATGGAAAGC
IB140	ATGGAACCTGGCAGATCAGA
IB141	CCACATCACCATTGAACATG
ARB6	GGCACGCGTCGACTAGTACNNNNNNNNNNNACGCC
ARB2	GGCACGCGTCGACTAGTAC
Me-O-extF	CGGTTTACAAGCATAACTAGTGCGGC
Me-O-intF	AGAGGATCCCCGGGTACCGAGCTCG
Me-I-extR	CTCGTTTCACGCTGAATATGGCTC
Me-I-intR	CAGTTTTATTGTTTCATGATGATATA