

Table S1. Sequence of primer used in this study. Specific endonuclease restriction sites are indicated in bold.

gene	Sequence (<i>restriction endonuclease</i>)	Application
<i>eccB_s</i> (<i>rv1782</i>)	AGATGAACAAGGTGGTGTGCGT ATTGGGAGCGTGTGCGTGCCT	Expression studies, RT-PCR
<i>eccC_s</i> (5' terminus) (<i>rv1783</i>)	ATCAAGCCGAGAATATTGTCC ATGTCCAGCATCAACATGAACCT	Expression studies, RT-PCR
<i>eccC_s</i> (3' terminus) (<i>rv1784</i>)	CTGCTGTTCTGGATATGAAAT TTCGAGGTCGGTGATGATCC	Expression studies, RT-PCR
<i>eccB_s</i>	TCCACTAAAATCTGCCGGT GAECTTTGGCGAGAACGAT ATCTGGCTTGACCGAACCGAG	Retrotranscription in 5'RACE reactions 1 st nested amplification in 5'RACE reactions 2 nd nested amplification in 5'RACE reactions
<i>eccC_s</i>	CCAACCACAAATCAGGCCACCA GTGTCGATAGGACAATATTCTC ATGTTGAGGTAGGTGCCGAC	Retrotranscription in 5'RACE reactions 1 st nested amplification in 5'RACE reactions 2 nd nested amplification in 5'RACE reactions
<i>eccB_s</i> upstream region	GGACTAGTACCGAAAGCTCACCAACAG (<i>SpeI</i>) GCTCTAGATAGATCACCTCCGGTCTGC (<i>XbaI</i>)	Amplification of <i>eccB_s</i> upstream region for knockout construction
<i>eccC_s</i> downstream region	GCTCTAGATTGCCAAACCGATCAGCT (<i>XbaI</i>) ATAAGAATGCCGCCACAAGAACGGAGACACGAAAG (<i>NotI</i>)	Amplification of <i>eccC_s</i> downstream region for knockout construction
<i>aph</i>	GCTCTAGAGCTGCAAGGGGATTAAGT (<i>XbaI</i>) GCTCTAGAATTAGGCACCCCAGGTTA (<i>XbaI</i>)	Amplification of <i>aph</i> cassette
<i>rv1780</i> <i>aph</i> <i>rv1786</i> <i>aph</i>	TCATCAATGTGGCGAACAAATT GCAATGTAACATCAGAGATTTGAG ATAGCACTGCGCATGACCCA CACGAGGCAGACCT	Screening of Kana ^r /Sac ^r transformants
<i>eccB_s</i> <i>eccC_s</i>	GGACTAGTGTGGCTGAAGAGAGCCGGG (<i>SpeI</i>) AATCGTTAACCTACCGACGCACCTCGGTG (<i>HpaI</i>)	Construction of Mtb488 merodiploid strain
<i>eccB_s</i>	TGCATGCATGCTGAAGAGAGCCGGG (<i>NsiI</i>) TGCATGCATACTACCAGCGTTCTGCAG (<i>NsiI</i>)	Construction of Mtb _{Ppt} <i>eccB_s</i> - <i>eccC_s</i> conditional mutant
<i>eccC_s</i>	TGCATGCATAAGCGTGGTTTGCCTGCC (<i>NsiI</i>) TGCATGCATCAAACCTCACGAACCGAGGTG (<i>NsiI</i>)	Construction of Mtb _{Ppt} <i>eccC_s</i> conditional mutant
<i>ptr</i> promoter <i>eccB_s</i> <i>eccC_s</i>	CAGCGTATGGGAATCTCTTG AGAGAGATCCAACCGATTCACT CGTGTGAGGCGTGAAAGAA	Screening of Mtb _{Ppt} <i>eccB_s</i> - <i>eccC_s</i> and Mtb _{Ppt} <i>eccC_s</i> strains