Table S1. Strains, plasmids and oligonucleotides used in this study

Strain	Genotype	Reference or source
***M. marinum* strain**		
M	wild-type *M. marinum*	ATCC
120A3	M strain bearing a Tn insertion in the *MMAR_0039* gene	This study
120A3/ P_{MOP}*0039*	Complemented; 120A3 strain bearing an integrating plasmid expressing *MMAR_0039* from the constitutive Mycobacterial Optimal Promoter (MOP)	This study
***eccD$_1$*::Tn**	M strain bearing a Tn insertion in the *eccD$_1$* gene; insertion site between bases 6594673/6594674 in *M. marinum* genome; Isolated from Library with smooth colony morphology	Laboratory collection
***eccCb*::Tn**	M strain bearing a Tn insertion in the *eccCb* gene	(1)
Δ*esxBA*	M strain bearing a genomic deletion of the *esxBA* genes	(2)
ΔRD1	M strain bearing a genomic deletion including '*eccCb*-'*espK*	(3)

Plasmid	Genotype	Reference or source
pMH406 Hyg	an integrating plasmid expressing *esxBA* from *M. tuberculosis* from the constitutive Mycobacterial Optimal Promoter (MOP); Parent for complementation plasmid	Original Plasmid from (4); Hygromycin resistant derivative was a gift from the Jeffery S. Cox laboratory
pMB272B	suicide plasmid which carries the Mariner Tn	(5)
pBluescriptSK+		Agilent Technologies, La Jolla CA

Name	Sequence (5'-3')	Use	Reference or source
opc242	GCGTTAACGGGTGTCTATGGGCATCAG	Primer pair for construction of PMOP*0039* complementation plasmid. Restriction sites underlined	This study
opc244	GCTACGTACAGAATTCAGGAGTCCAGCATGA CTGCCGACAGGAC		
821A	CGCATCTTCCCGACAACGCAGACCGTTCC	Primer pair for mapping the Mariner Transposon insertion site in the *M. marinum* genome	(5)
822A	TAATCGCGGCCTCGAGCAAGACGTTTCCCG		

ofm23	ACCTTCACACCGCTACTTGG	Primer pair for amplifying *MMAR_0040* for RT-PCR	This study
ofm24	ATCACCAATTCTTCGGCAAA		
ofm19	AGGCGGGCAAGTACACGAT	Primer pair for amplifying *MMAR_0039* for RT-PCR; flanks the Tn insertion in the 120A3 strain	This study
ofm20	TTGCAGGGCTTCCTCCAC		
opc235	GGCAGCATCCAGCGCAATTC	Primer pair for amplifying *esxA* for RT-PCR	This study
opc236	CCTTCGTCGGAGTTCAGATA		
IFN-β-F	CTGGAGCAGCTGAATGGAAAG	Primer pair for amplifying IFN-β for qRT-PCR	(6)
IFN-β-R	CTTGAAGTCCGCCCTGTAGGT		
GAPDH-F	TCTCCCTCACAATTTCCATCCCAG	Primer pair for amplifying GAPDH for qRT-PCR	This study
GAPDH-R	GGGTGCAGCGAACTTTATTGATGG		

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