Supplementary Figure 1

A

B

IdeR box   Zur box
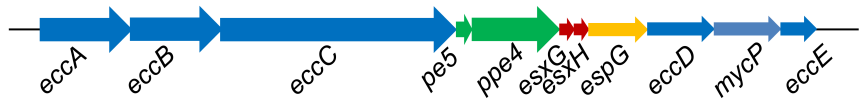
Mtb *rv0282* upstream sequence:

```
  1 cccgggctccataatgaaaa tcatgttcagtaagctacac tctgcatatcgggctaccaa cgaaatggagtatcggtcat
 81 gatcttgccagccgtgccta aaagcttggccgcagggccg agtcgattggtcgcggtcgc ctcgacagttagcttatgca
161 atgctaacttcggggcaaag ttcaggcggatcggccgATG GCG
```

Msmeg *msmeg0615* upstream sequence:

```
  1 cagtatcagtctgatgtggg cccgcaaggggtgagccgct tcacggcccagagcccccac gtgcgtctcgacagttaact
 81 tatgtaatgctaacttctcg aaagttagcttaggcataca taagggagagaggcggggc gtgcgctcccgcgcacgcat
161 atgggaagtgacacgcttgc ggctccgcctcacggagcgc cccgggtcgaccgcgatGTG GTC
```

C

```
   Mtb: ttagcttatgcaatgctaa
        |||*||||||*||||||||
 Msmeg: ttaacttatgtaatgctaa
```

Supplementary Figure 1. Comparison of the *esx3* Locus in Mtb and Msmeg
(A) The *esx3* locus spans from *eccA₃ (Rv0282) to eccE₃ (Rv0292)* in Mtb, and *eccA₃ (msmeg0615) to eccE₃ (msmeg0625)* in Msmeg. (B) Upstream promoter regions from $esx3_{Mtb}$ and $esx3_{Msmeg}$; IdeR (orange) and Zur (green) recognition sites are indicated. The beginning of the protein coding sequence is in bold. (C) Nucleotide alignment of IdeR boxes from Mtb and Msmeg.

Supplementary Table 1. Primers Used

Name	Sequence
TBEsx3JMF	AAC ATG AGG CCC TGC AGG AAC ACG GTC ATC CGC CGC AGA TAG TCC AAC TGG GAA CTG GCG CAG TTC CTC
TBEsx3JMR	CAT CGC TCG TTG TAG ACC AGT TGA AAA AAC GGG TGC TCC TCG GCT CCC TCC TCC ATA TGC ACT GAG CGT CAG
Int-Ab-F	CTA AGG AAG CTA AAT GGA GAA AAA TCA CTG GAT ATA CCA CCG TTG ATA TAT CCC AAT GGT CTG ACG CTC AGT GGA AC
Int-Ab-R	GCC CAT GGT GAA AAC GGG GGC GAA GAA GTT GTC CAT ATT GGC CAC GTT TAA ATC AAA ACT GTA CGA TCG ACT GCC AGG C
TB esxG-F	TAT CCC ACA GTT GGT GGC CT
TB esxG-R	GAC TCC CCC TGG TGA AAC G
TB ppe4-F	TGG CTC TTA GCG TTG CTT CA
TB ppe4-R	CGT GAG GAA GGC GAT GAT GA
TB mbtI-F	TTC TGT CCC GTT GTG TCG AA
TB mbtI-R	CTG TAA CCC AGA GCA CGG AT
TB bfrB-F	TAA CGA ATT CAC AGC GGC AC
TB bfrB-R	CGA CCG CTT GGC TGT AAA AA
TB 16S-F	TCG TGT CGT GAG ATG TTG GG
TB 16S-R	TAG CAT GTG TGA AGC CCT GG
Smeg esxG-F	TCT TCT CGA CGC TCA CAT CC
Smeg esxG-R	GGA AGG CCT GCG AAC TCA T
Smeg mbtI-F	CCG GTA TCG AGA CTG CAT CC
Smeg mbtI-R	GTA GAC GAC GTA CTC CTC GC
Smeg bfrB-F	ACG AAA TTC CAC GCC CTC AT
Smeg bfrB-R	TAG AAG TGC TTG GCG AGC TG
Smeg dnaA-F	CCG GGT ATG CGT GTC AAG TA
Smeg dnaA-R	AGA ACT CCT CCT GGA TGC CT