Supplementary Table 1.

Primers Used for constructs.

Primer Name	Sequence 5'-3'	Specification
IdeRRev524	GCTAGCTGAACGTGCTCGGTA	3' end of *ideR*
IdeRFw4	ATGCATAACGAGTTGGTTGATA	5' end of *ideR*
PptrIdeRFw7	ACACGAGGCCCTTTCGTCTTTCAA	Forward primer for confirmation of *ideR* conditional mutant
PptrIdeRRev900	TCAGACTTTCTCGACCTTGACCGC	Reverse primer for the confirmation of *ideR* conditional mutant
BfrBpSM232Fw	AGACAATTGCGGATCCATGACAGAAT ACGAAGGGCCTAAGAC	Forward in fusion primer to amplify *bfrB* and BamHI site of pMV261.
BfrBpSM232Rev	TTCTGCAGCTGGATCCAACGGGACC ACTCGCTGAT	Reverse infusion primer to amplify *bfrB* and BamHI site of pMV261
BfrA Fw pMV261	GACAATTGCGGATCCGCCACGACAG	Forward infusion primer to amplify *bfrA* BamHI site of pMV261
BfrARev pMV261	TTCTGCAGCTGGATCCAGTGGTATCG	Reverse infusion primer to amplify *bfrA* gene and BamHI site of pMV261

Supplementary Table 2.

Primers used for qRT-PCR

Primer name	**Sequence 5'-3'**	**Specification**
16S UP#2	ATGACGGCCTTCGGGTTGTTA	Forward primer for 16S RNA
16S Rev#2	CGGCTGCTGGCACGTAGTTG	Reverse primer for 16S RNA
Rv2383cF	GCGACTTTCCCATCAGTGTT	Forward primer for *mbtB*
Rv2383cR	TAATAACGTCAACGCAAGTTCG	Reverse primer for *mbtB*
Rv1348F	TCTATCTGTTCGTGGACTG	Forward primer for *irtA*
Rv1348R	CTTCGCCGTTCATCTTCTCT	Reverse primer for *irtA*
Rv3841F244	CGAAACCAGTTCGACAGACC	Forward primer for *bfrB*
Rv3841R546	GCAAGAACCACTGCATGAAC	Reverse primer for *bfrB*

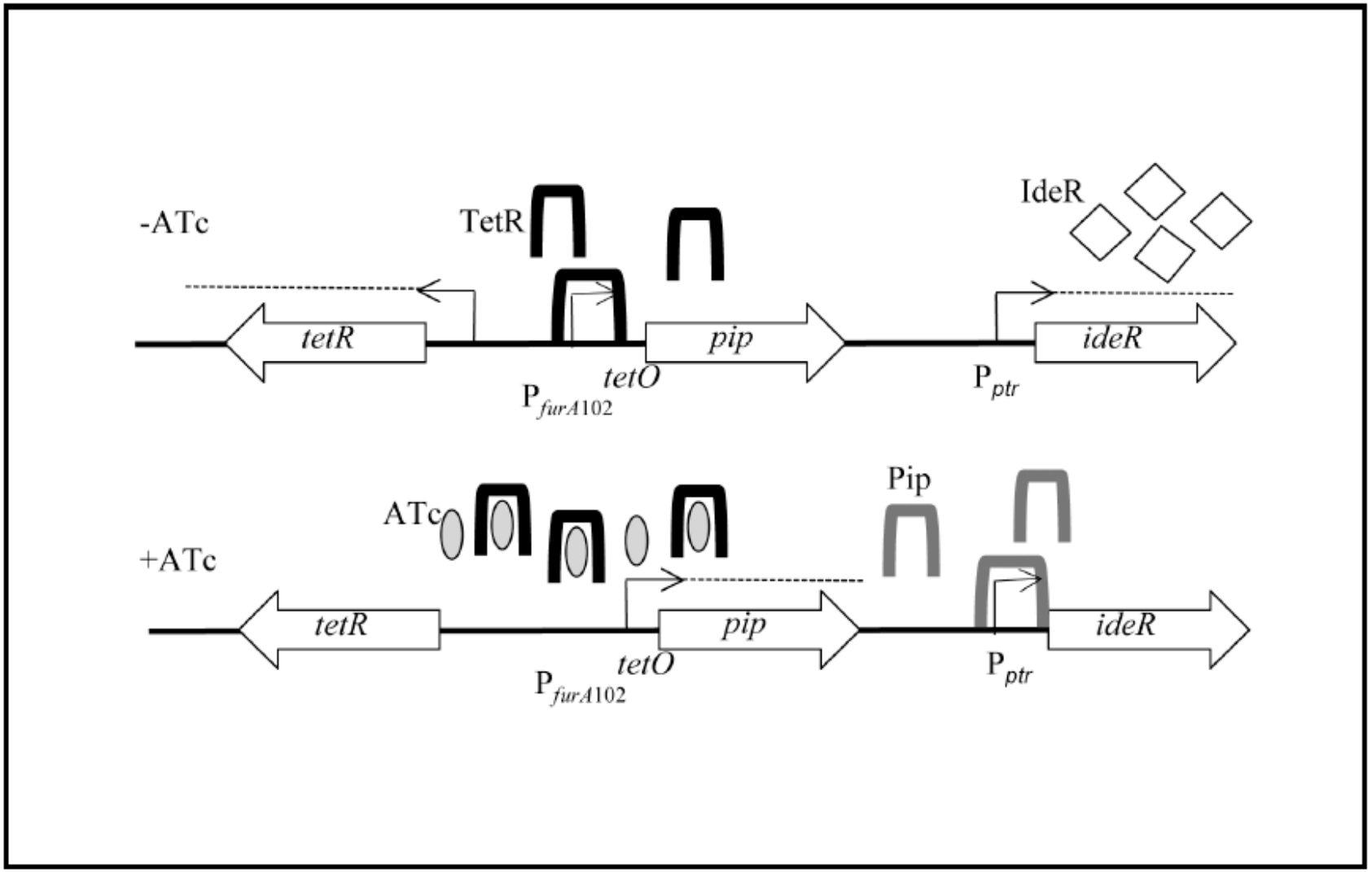

Figure S1. Control of *ideR* expression in ST217. The native *ideR* promoter was replaced by a Pip repressible promoter by homologous recombination as described in Materials and Methods in TB38.2 which has the *tetR* an *pip* integrated in the chromosome. In the absence of tetracycline (ATc), TetR binds to its operator repressing *pip* transcription and allowing *ideR* expression. In the presence of ATc, *pip* is transcribed and Pip represses *ideR* expression.

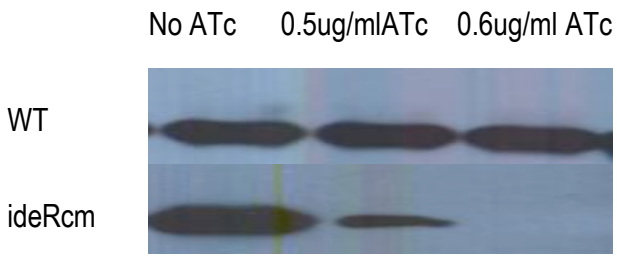

Figure S2. IdeR protein in the wild type and the *ideR* conditional. Wild type and the *ideR* conditional mutant were grown in 7H9. Protein extracts were obtained as described in Materials and Methods. Levels of IdeR were detected by Immunoblotting using anti-IdeR antibodies.

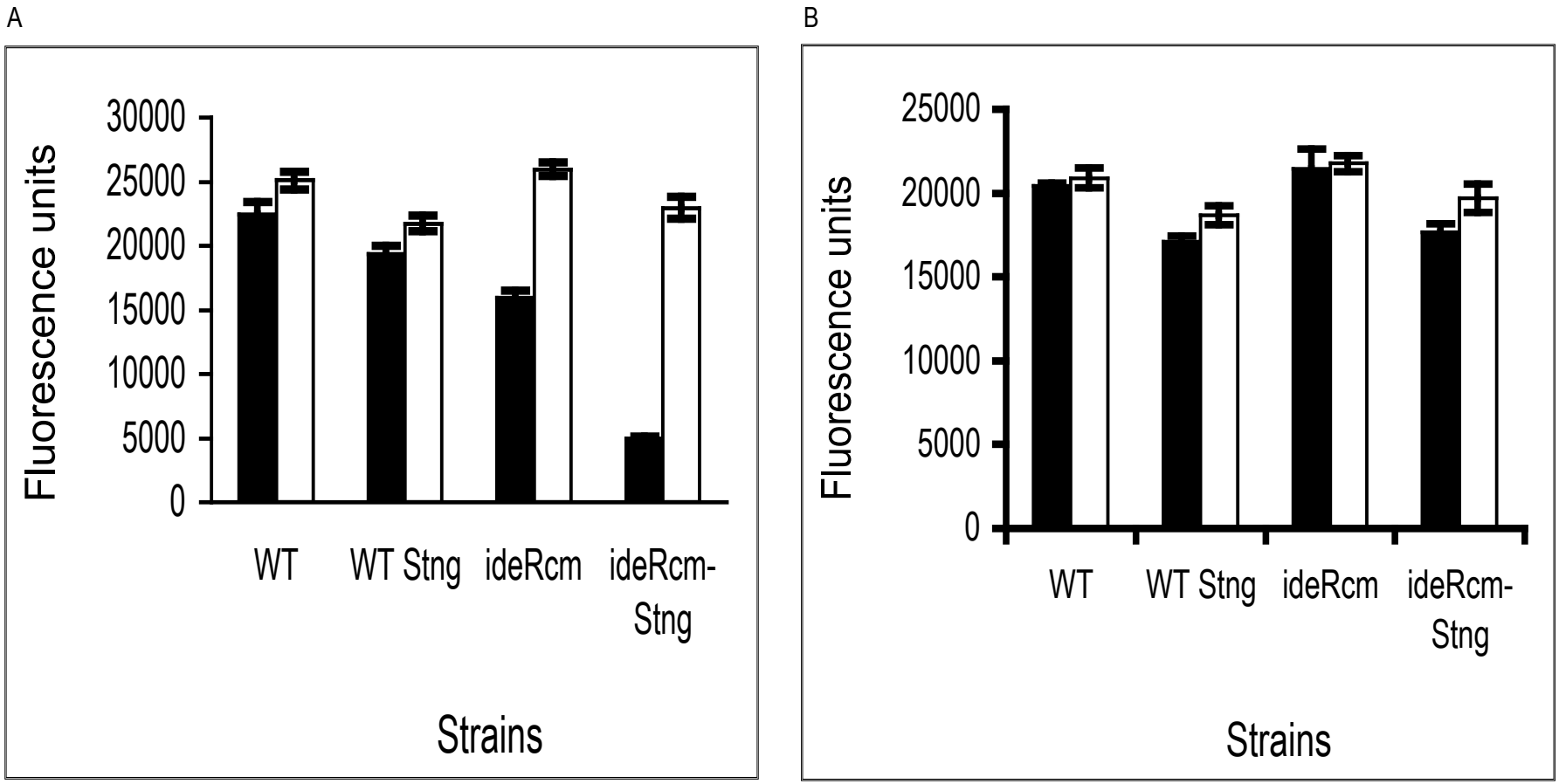

Figure S3. Sensitivity to Streptonigrin. The *ideR* conditional mutant (*ideRcm*) and the parental wild type strain (WT) were cultured in HIMM(A) or LIMM (B) with ATc (dark bars) or without ATc (open bars) and with and without 0.6 μg.ml-1 streptonigrin (Stng). The data corresponds to the fluorescence resulting from reduction of Alamar Blue by each strain. Shown are mean values ± standard deviations of three biological replicates.

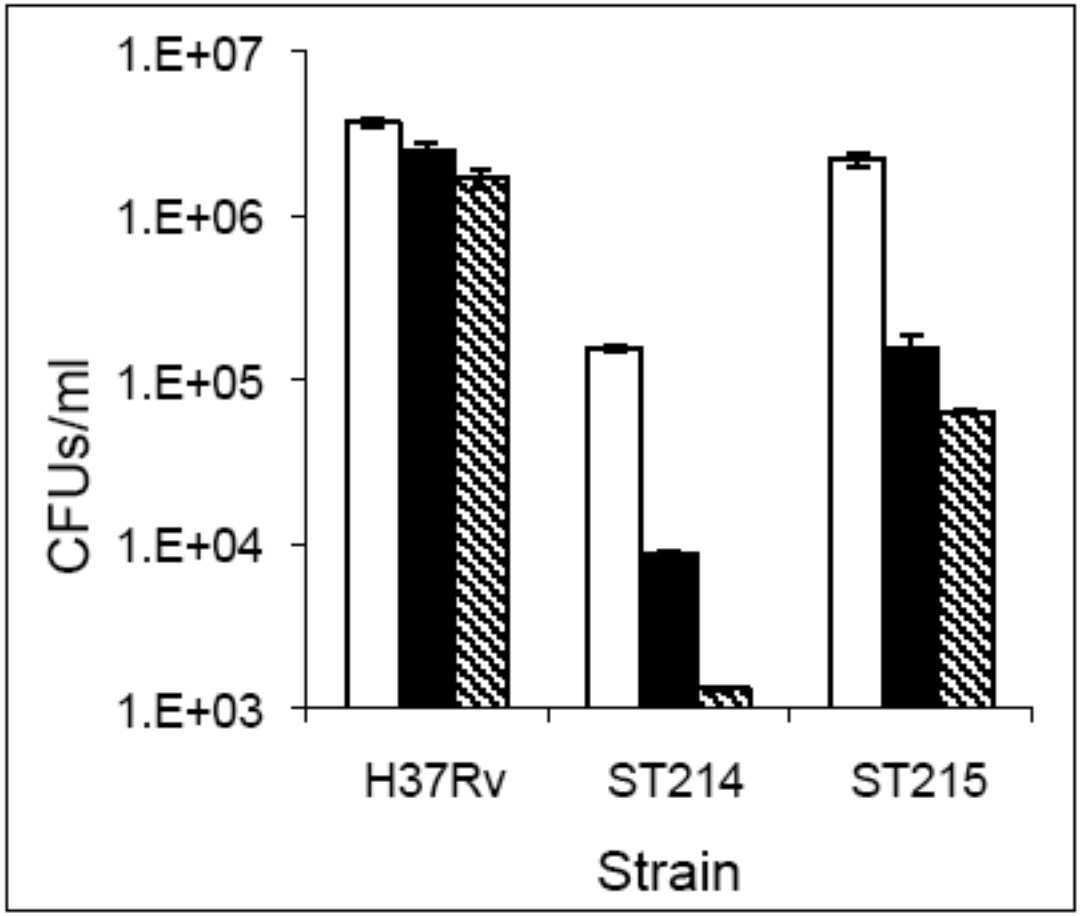

Figure S4. Sensitivity of the *bfrB* and *bfrA* mutants to nitrite. The *bfrB* (ST214) and *bfrA* (ST215) mutants and the parental strain H37Rv were exposed to 0 (open bars), 3 mM (dark bars) or 5mM (striped bars) of sodium nitrite at pH 5.5 Each day a sample was taken and dilutions plated onto 7H10. The data shows the mean ± standard deviations of the number of CFUs recovered from biological triplicates of each strain at day three.