

Supplementary File

Supplementary Fig Legends

Fig S1 | AX does not impact *Mtb* survival in 7H9-ADC medium. a-b. *Rv*, *Rv*Δ*G*, and *Rv*Δ*G*::*G* were inoculated at $A_{600} \sim 0.05$ in 7H9-ADC media, in the presence and absence of 1mM AX. The bacillary survival was calculated through CFU enumeration at days 0, 3 and 6. **b.** Pictorial representation of the growth of indicated strains in 7H9-ADC at day 0, 3, and 6. Bar depicts mean \pm SD (n=3), representative of two biologically independent experiments. *, $p < 0.05$; **, $p < 0.005$; ***, $p < 0.0005$.

Fig S2 | AX specifically inhibits PknG. a-b. *Rv*, *Rv*Δ*G*, and *Rv*Δ*G*::*G* were inoculated at $A_{600} \sim 0.1$ in Sauton's media, in the presence and absence of 1mM AX. A_{600} was measured on day 0, 2, 4, and 6 **(a)**, and CFUs were enumerated on day 6 **(b)**. **c.** *Rv*, *Rv*Δ*G*, and *Rv*Δ*G*::*G* were inoculated at $A_{600} \sim 0.1$ in 7H9-ADC media containing methylene blue in the presence and absence of 1mM AX in tightly sealed tubes. CFUs were enumerated on day 20. Bar depicts mean \pm SD (n=3), representative of two biologically independent experiments. *, $p < 0.05$; **, $p < 0.005$; ***, $p < 0.0005$.

Fig S3 | Dose-dependent response of AX against hypoxic and drug-tolerant cells. a. *Rv*, *Rv* +AX, *Rv*Δ*G*, and *Rv*Δ*G*::*G* were inoculated at $A_{600} \sim 0.1$ in 7H9-ADC media containing methylene blue in tightly sealed tubes. CFUs were enumerated on day 20. Data is represented as mean \pm SD of one of two biologically independent experiments, each performed in triplicates (n=3). **b.** *Mtb* strains were inoculated in 7H9-ADS containing 5 μ g/ml INH. The indicated concentration of AX was added to *Rv* and the CFUs were enumerated on day 0 and 7. The survival obtained at day 0 was normalized to 100% and percent survival at day 7 was calculated with respect to survival at 0 day for each strain. Data is represented as mean percent survival \pm SD of one of two biologically independent experiments, each performed in triplicates (n=3). Significance is calculated with respect to *Rv*. *, $p < 0.05$; **, $p < 0.005$; ***, $p < 0.0005$.

Fig S4 | Adjunct therapy with Ax20017 potentiates the bactericidal activity of BDQ. a. Antibiotic resistance frequency was determined by plating indicated strains on 7H11-OADC plates containing 1.75 μ g/ml BDQ. The mutation rate is calculated as the number of colonies obtained on antibiotic-containing plates/number of colonies obtained on the plain plates. The bar diagram represents mean \pm SD (n=3) and is representative of two independent biological replicates. **b.** *Mtb* strains were inoculated in 7H9-ADS containing 1.75 μ g/ml BDQ. Survival was monitored at day 0 and 7 and the survival obtained at day 0 was normalized to 100%. Percent survival at day 7 was calculated with respect to survival at 0 day for each strain. Data is represented as mean percent survival \pm SD of one of three biologically independent experiments, each performed in triplicates

(n=3). Data is representative of two biologically independent experiments, each performed in triplicates. *, $p < 0.05$; **, $p < 0.005$; ***, $p < 0.0005$.

Figure S1

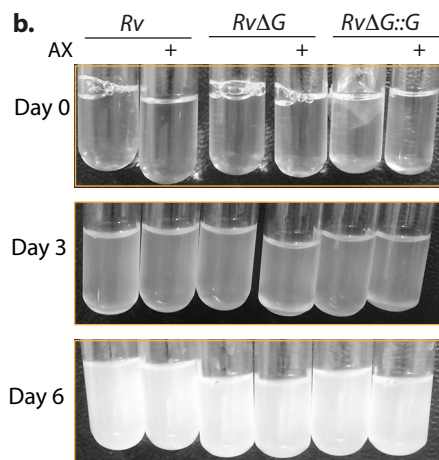
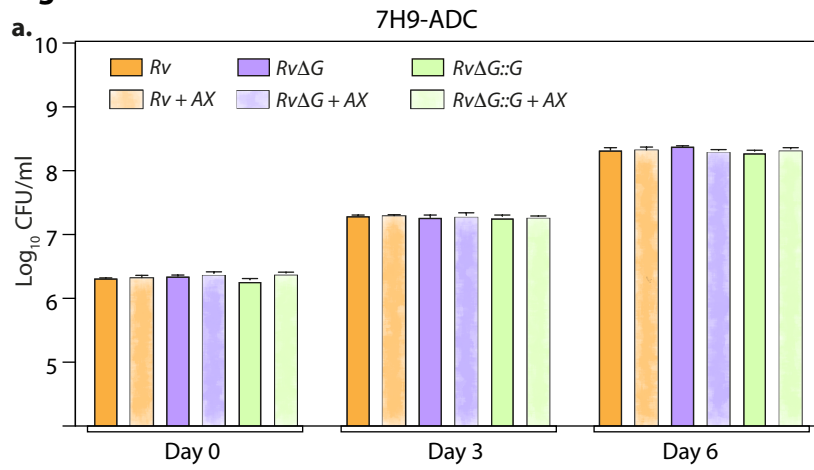


Figure S2

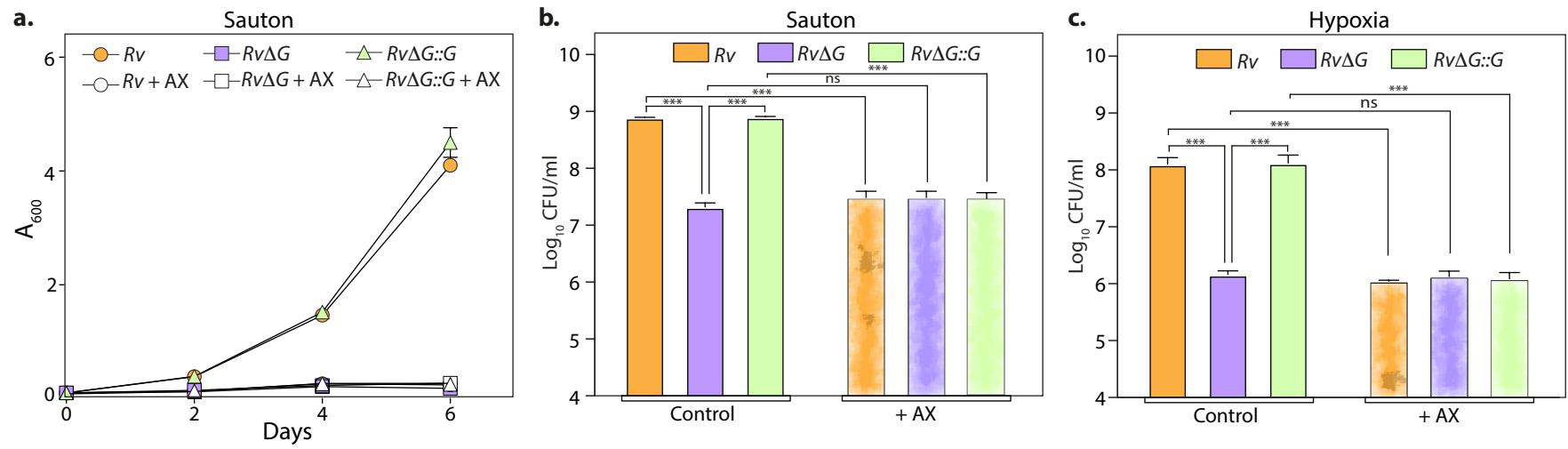
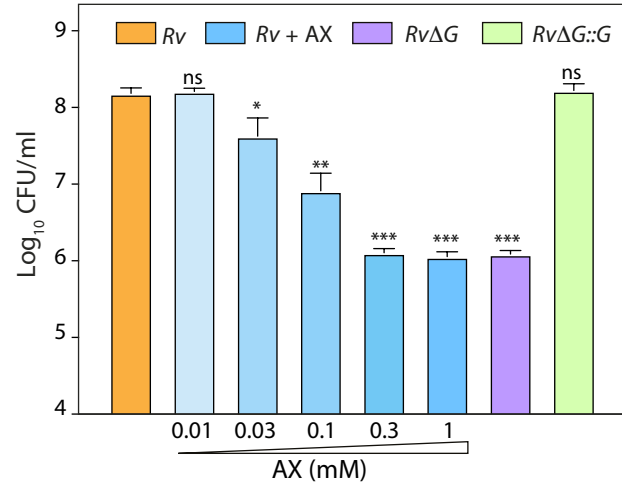


Figure S3

a.



b.

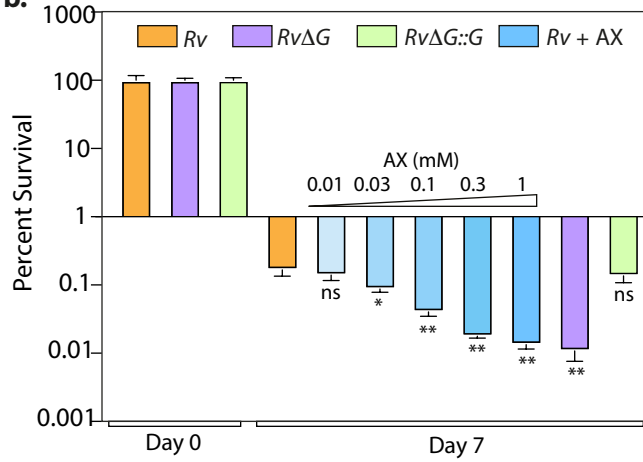


Figure S4

