Appendix

A simple and rapid method to determine antimycobacterial potency of compounds using autoluminescent *Mycobacterium tuberculosis*

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Running title: rapid method to detemine antimycobacterial potency

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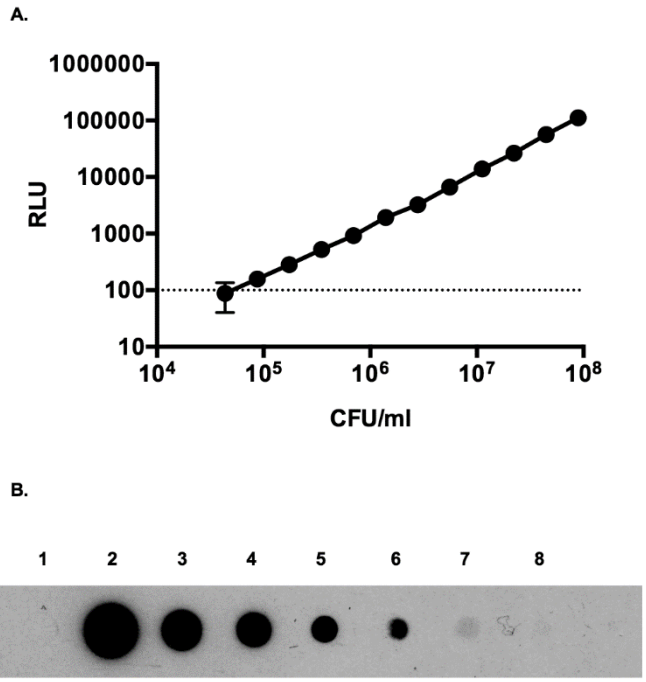

Figure S1. Sensitivity of lux reporter in *M. smegmatis*. Luminescence was measured using series of 2-fold dilutions of Msm-lux strain in 1X PBS. CFU number was determined in parallel by plating aliquots of serial dilutions on LB solid agar medium. Data shown represents mean + SD (n= 3). Luminescence signal was detected in a microplate reader in luminescence mode (A) or by exposure to ECL luminescence film using a Bio-Rad vacuum-driven Bio-dot system (B). Spot 1 corresponds to PBS control and spots 2-8 represent 2-fold dilutions of Msm-lux strain starting from $1.75x10^9$ CFU in spot 2 (in 100 µl). Dotted line indicates the background luminescence.

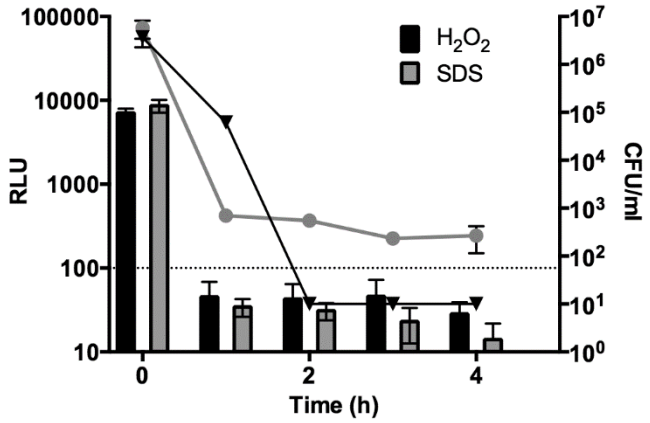

Figure S2. Msm-lux reporter sensitivity to SDS and peroxide stresses. Msm-lux reporter strain expressing luciferase was grown to OD_{600}=0.05 in 7H9 complete medium followed by a subsequent exposure to 10 mM H_2O_2 or 1% SDS. Luminescence was measured at various time points using a microplate reader. CFU was determined by plating on 7H10-agar and is plotted on the right y-axis. Data shown represents mean + SD of 3 independent cultures. Dotted line indicates the background luminescence.