

Supplementary Figures

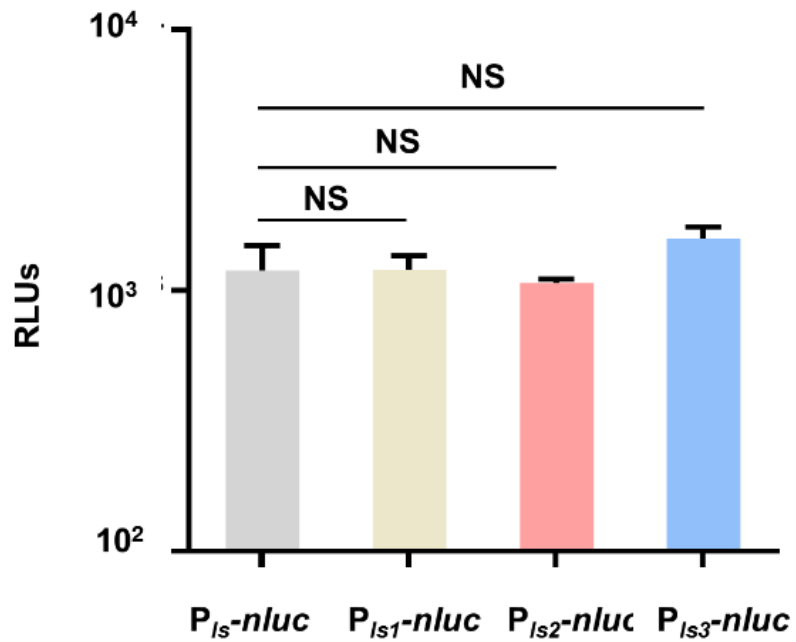


Fig. S1. Determination of expression levels of reporter cassettes harboring different RBS regions in *Mycobacterium smegmatis*. The RLUs (Y-axis) were normalized according to CFUs at 10^4 . NS represents no significant difference by one-way ANOVA with Tukey's multiple comparisons test.

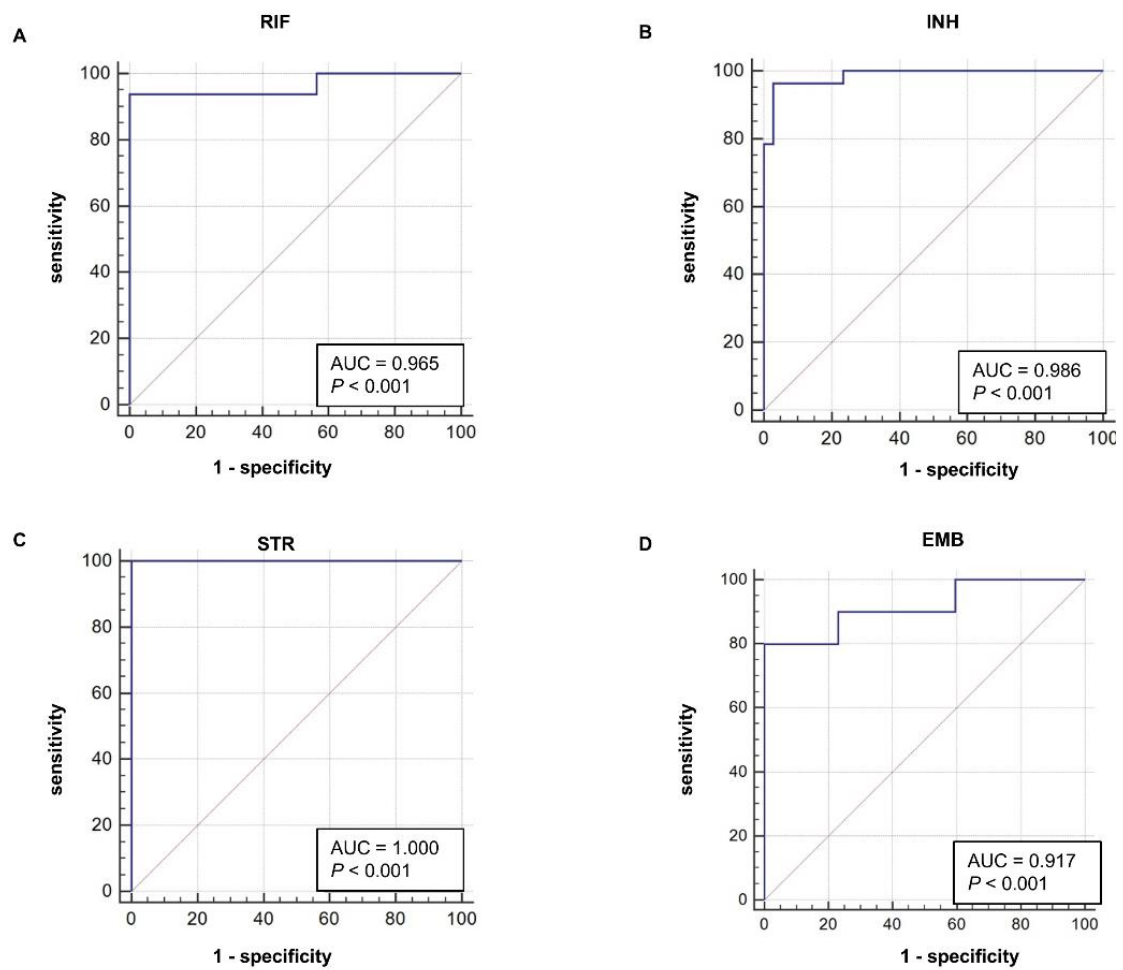


Fig. S2. Receiver operating characteristic (ROC) curves of the Φ LSN DST assay with clinical isolates. The Φ LSN DST assay was compared with solid culture, for the detection of drug-resistance to first-line antitubercular drugs: (A) RIF; (B) INH; (C) STR; and (D) EMB.

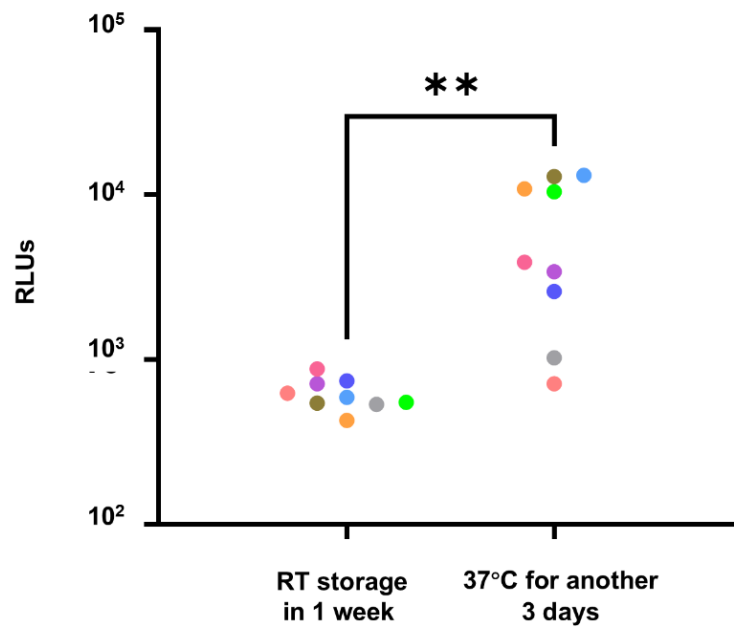


Fig. S3. The remedial effect of 37°C re-incubation on cultures stored at room temperature. Cultures that failed to produce luminescent signals upon Φ LSN infection after one week of storage at RT were collected and re-incubated at 37°C for three days. Each sample is represented by a dot of the same color. $**P < 0.01$; one-way ANOVA with paired t -test.

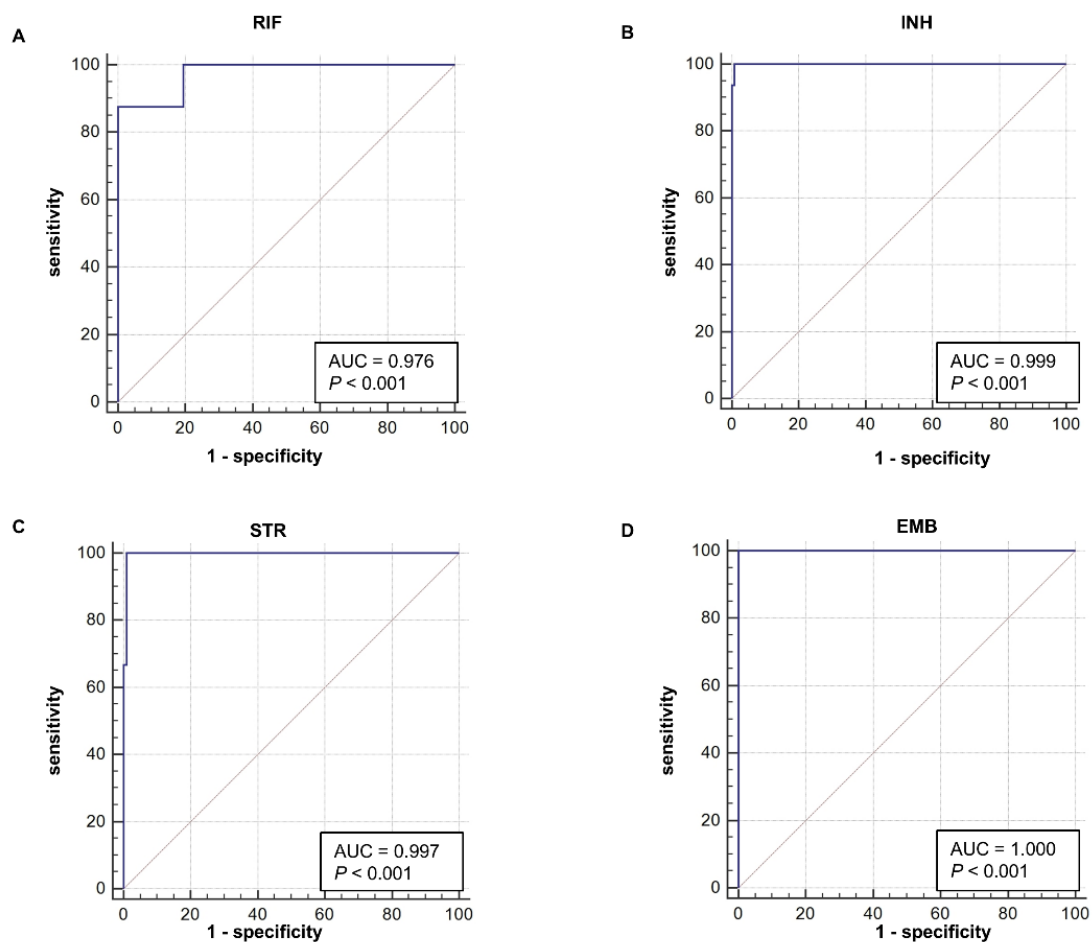


Fig. S4. Receiver operating characteristic (ROC) curves of the Φ LSN DST assay with positive MGIT cultures. The Φ LSN DST assay was compared with the solid culture, for the detection of drug-resistance to first-line antitubercular drugs: (A) RIF; (B) INH; (C) STR; and (D) EMB.