

Description of Additional Supplementary Files

Supplementary Data 1– **Isolate description, accession numbers and resistance testing results. (Excel)**

Supplementary Data 2– **Detailed GWAS and validation results at the locus level. (Excel)**

Supplementary Data 3 – **Detailed GWAS and validation results at the site level. (Excel)**

Supplementary Data 4 – **Validation data accession numbers, sources and drug resistance profiles. (Excel)**

Supplementary Data 5 – **Description of genetic variants found in validated loci and their lineage distribution. (Excel)**

Supplementary Data 6 – **Homoplasmy (TreeWAS) Results. (Excel)**

Supplementary Data 7 – **Comparison of GWAS hits with published TB drug resistance GWAS hits (Excel)**

Supplementary Data 8 – **R code to reproduce figures and results, contains annotations indicating input files need and code for each figure and table (R code)**