**Supplementary Table 1** List of drug-resistant genes and mutation sites in the amplicon-based targeted NGS panel

| Drug          | Genes                  | Mutation sites                                      |
|---------------|------------------------|-----------------------------------------------------|
| Rifampin      | rpoB                   | Q432K/L/P, L430P, D435V/A/F/G/N/Y, S450L/F, H445C/D/F/G/L/N/P/R/Y/S, L452P |
| Isoniazid     | KatG, inhA-fabG promoter, inhA | S315T, S315N, C-8t, c-15t, I21T, S94A, I194T          |
| Ethambutol    | embB                   | M306V/I, Q497K/R, D354A, G406S/D/A                  |
| Streptomycin  | rpsL, rrs              | K43R, K88R/Q, a514c, c517t                           |
| Kanamycin     | rrs, eis promoter      | a1401g, c1402t, g-10a, c-14t, g-37t                  |
| Amikacin      | rrs                    | a1401g, c1402t                                       |
| Capreomycin   | rrs, tlyA              | a1401g, c1402t, N236K                                |
| Fluoroquinolone | gyrA, gyrB              | G88A/C, S91P, A90V, D94A/G/H/N/Y, A504V              |