

**Supplementary Table S1. Mutations detected in the *rpoB* gene of 80 isolates**

| Nucleotide change<br>(nucleotide No.) | Translational<br>change<br>(codon No.) | Cultured<br>isolates<br>(n=80) | MDR-TB<br>isolates<br>(n=18) | XDR-TB<br>isolates<br>(n=31) | MDR-plus<br>isolates<br>(n=4) | DR<br>isolates<br>(n=10) | S<br>isolates<br>(n=17) | No.                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------|--------------------------------|------------------------------|------------------------------|-------------------------------|--------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Substitution                          |                                        |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1539 C>A                              | Q513K                                  | 1 (1.25)                       | 1 (1.25)                     | -                            | -                             | -                        | -                       | 75                                                                                                                                                                                                                                                   |
| 1549A>T                               | D516V                                  | 8 (10)                         | 2 (2.5)                      | 5 (6.25)                     | 1 (1.25)                      | -                        | -                       | 10, 15, 34, 40, 42, 43, 45, <b>71</b>                                                                                                                                                                                                                |
| 1548 G>T                              | D516Y                                  | 1 (1.25)                       | -                            | -                            | -                             | 1 (1.25)                 | -                       | 28                                                                                                                                                                                                                                                   |
| 1578 C>G                              | H526D                                  | 3 (3.75)                       | 3 (3.75)                     | -                            | -                             | -                        | -                       | 5, 6, 47                                                                                                                                                                                                                                             |
| 1579 A>G                              | H526R                                  | 1 (1.25)                       | -                            | -                            | 1 (1.25)                      | -                        | -                       | <b>63</b>                                                                                                                                                                                                                                            |
| 1578 C>T                              | H526Y                                  | 1 (1.25)                       | 1 (1.25)                     | -                            | -                             | -                        | -                       | 84                                                                                                                                                                                                                                                   |
| 1594 C>G                              | S531W                                  | 2 (2.5)                        | 1 (1.25)                     | 1 (1.25)                     | -                             | -                        | -                       | 14, <b>50</b>                                                                                                                                                                                                                                        |
| 1593, 1594 TC>CA                      | S531Q                                  | 1 (1.25)                       | -                            | 1 (1.25)                     | -                             | -                        | -                       | 41                                                                                                                                                                                                                                                   |
| 1594 C>T                              | S531L                                  | 31 (38.75)                     | 6 (7.5)                      | 19 (23.75)                   | 2 (2.5)                       | 3 (3.75)                 | 1 (1.25)                | 1, <b>2</b> , 3, 7, <b>8</b> , <b>9</b> , <b>11</b> , 12, <b>13</b> , <b>17</b> ,<br>18, 19, <b>20</b> , 21, 30, <b>38</b> , 39,<br><b>44</b> , <b>46</b> , 52, <b>53</b> , <b>54</b> , 56, <b>57</b> ,<br>59, 60, 67, 69, <b>74</b> , 77, <b>79</b> |
| 1635 C>T                              | L545L                                  | 1 (1.25)                       | -                            | -                            | -                             | 1 (1.25)                 | -                       | 37                                                                                                                                                                                                                                                   |
| Multi-site mutations                  |                                        |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1441 C>T                              | T480I                                  | 1 (1.25)                       | -                            | 1 (1.25)                     | -                             | -                        | -                       | 55                                                                                                                                                                                                                                                   |
| 1594 C>T                              | S531L                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1548 G>A                              | D516N                                  | 1 (1.25)                       | 1 (1.25)                     | -                            | -                             | -                        | -                       | 68                                                                                                                                                                                                                                                   |
| 1578 C>A                              | H526N                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1594 C>T                              | S531L                                  | 1 (1.25)                       | -                            | -                            | -                             | -                        | 1 (1.25)                | 22                                                                                                                                                                                                                                                   |
| 1634 G>C                              | G544G                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1635 C>T                              | L545L                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1594 C>T                              | S531L                                  | 1 (1.25)                       | -                            | 1 (1.25)                     | -                             | -                        | -                       | <b>32</b>                                                                                                                                                                                                                                            |
| 1634 G>C                              | G544G                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1635 C>T                              | L545L                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1655 C>T                              | H551H                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1594 C>T                              | S531L                                  | 1 (1.25)                       | -                            | -                            | -                             | -                        | 1 (1.25)                | 35                                                                                                                                                                                                                                                   |
| 1635 C>T                              | L545L                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| 1549 A>G                              | D516G                                  | 1 (1.25)                       | -                            | 1 (1.25)                     | -                             | -                        | -                       | 78                                                                                                                                                                                                                                                   |
| 1600 T>C                              | L533P                                  |                                |                              |                              |                               |                          |                         |                                                                                                                                                                                                                                                      |
| Wild type                             | No change                              | 24 (30)                        | 3 (3.75)                     | 2 (2.5)                      | -                             | 5 (6.25)                 | 14 (17.5)               | 4, <b>16</b> , 23, 24, 25, 26, 27, 29,<br>31,33, 36, 48,49, 51, 61,<br>62,70, <b>73</b> , 76, 85, 86, 88, 92,<br>93                                                                                                                                  |

Values are presented as number (%). The codon position was counted from the start codon (ATG) of *rpoB*. Bold numbers indicate isolates with mutations in *rpoC*.

MDR-TB: multidrug-resistant tuberculosis; XDR-TB: extensively drug-resistant tuberculosis; MDR-plus: INH+RFP+fluoroquinolone or INH+RFP+injectable drugs; DR: drug resistance other than MDR (including MDR-plus and XDR); S: susceptibility to all of the drugs.