### Strong increase in moxifloxacin resistance rate among multi-drug resistant *Mycobacterium tuberculosis* isolates in China, 2007-2013

#### Table S1. Univariable and multivariable analysis of risk factors for moxifloxacin resistance at 0.5μg/mL by MGIT in 2007

| Characteristic                          | All cases n | Resistant n (%) | Susceptible n (%) | cPR (95% CI) | P value | aPR (95% CI) | P value |
|----------------------------------------|-------------|-----------------|-------------------|--------------|---------|--------------|---------|
| Gender                                  |             |                 |                   |              |         |              |         |
| Male                                    | 206         | 25 (12.1)       | 181 (87.9)        | 1            |         |              |         |
| Female                                  | 113         | 16 (14.2)       | 97 (85.8)         | 1.10(0.77-1.58) | 0.61    |              |         |
| Age (years)                             |             |                 |                   |              |         |              |         |
| < 40                                    | 150         | 14 (9.3)        | 136 (90.7)        | 1            |         |              |         |
| 40-59                                   | 106         | 16 (15.1)       | 90 (84.9)         | 1.33(0.89-2.0) | 0.16    |              |         |
| ≧ 60                                    | 63          | 11 (17.5)       | 52 (82.5)         | 1.47 (0.93-2.32) | 0.10    |              |         |
| Residential area within China           |             |                 |                   |              |         |              |         |
| East                                    | 103         | 12 (11.7)       | 91 (88.3)         | 1            |         |              |         |
| Central                                 | 159         | 20 (12.6)       | 139 (87.4)        | 1.05 (0.70-1.57) | 0.82    |              |         |
| West                                    | 57          | 9 (15.8)        | 48 (84.2)         | 1.21 (0.73-2.0) | 0.46    |              |         |
| Occupation                              |             |                 |                   |              |         |              |         |
| Farmer                                  | 200         | 31 (15.5)       | 169 (84.5)        | 1            |         |              |         |
| other                                   | 119         | 10 (8.4)        | 109 (91.6)        | 0.70 (0.47-1.02) | 0.07    | 0.68 (0.46-1.00) | 0.05 |
| Number of previous anti-tuberculosis treatments |     |                 |                   |              |         |              |         |
| 0                                       | 130         | 16 (12.3)       | 114 (87.7)        | 1            |         |              |         |
| 1                                       | 105         | 11 (10.5)       | 94 (89.5)         | 0.91 (0.59-1.39) | 0.66    |              |         |
| > 1                                     | 80          | 13 (16.2)       | 67 (83.8)         | 1.19 (0.78-1.83) | 0.42    |              |         |
| unknown                                 | 4           | 1 (25.0)        | 3 (75.0)          | 1.63 (0.42-6.35) | 0.49    |              |         |
| Previous fluoroquinolones usage for anti-tuberculosis treatment | | | | | | |
| No                                      | 300         | 36 (12.0)       | 264 (88.0)        | 1            |         |              |         |
| Yes                                     | 19          | 5 (26.3)        | 14 (73.7)         | 1.72 (0.91-3.24) | 0.09    | 1.81 (0.95-3.45) | 0.07 |

cPR: crude Prevalence Ratio; aPR: adjust Prevalence Ratio