Supplementary Table S1. Diagnostic sensitivity and specificity of microbiological investigations for TB according to HIV-status among presumptive TB patients (n=151)

|                     | All patients (n=151)* | HIV-positive (n=68) | HIV-negative (n=81) |
|---------------------|-----------------------|---------------------|---------------------|
|                     | n/N | Sensitivity (95% CI) | n/N | Specificity (95% CI) | n/N | Sensitivity (95% CI) | n/N | Specificity (95% CI) |
| Sputum smear microscopy | 15/34 | 44 (27-62) | 3/12 | 25 (5-57) | 10/20 | 50 (27-73) | 2 patients did not have a HIV-status results available. |
| Sputum Xpert Ultra  | 34/34 | 100 (90-100) | 12/12 | 100 (74-100) | 20/20 | 100 (83-100) |
| Urine FujiLAM       | 26/34 | 77 (59-89) | 9/12 | 75 (43-95) | 15/20 | 75 (51-91) |
| FujiLAM in Sp. Smear pos. (n=15) | 13/15 | 87 (60-98) | 3/3 | 100 (29-100) | 8/10 | 80 (44-97) |
| FujiLAM in Sp. Smear neg. (n=138) | 13/19 | 68 (43-87) | 6/9 | 67 (30-93) | 7/10 | 70 (35-93) |

* 2 patients did not have a HIV-status results available.
Supplementary Table S2. Overview of patients who had a positive urine FujiLAM test but a negative sputum culture result (n=9)

| Patient | Age | Sex | HIV-status | Prior history of TB | TB symptoms | Smear microscopy | Sputum Xpert result |
|---------|-----|-----|------------|---------------------|-------------|-----------------|-------------------|
| 1.      | 33  | M   | Neg        | No                  | Cough x2 weeks, weight loss, night sweats, hemoptysis | Neg          | Neg              |
| 2.      | 37  | M   | Neg        | No                  | Cough x2 weeks, fever | Neg          | Neg              |
| 3.      | 24  | M   | Neg        | No                  | Cough x2 weeks, weight loss | Neg          | Neg              |
| 4.      | 46  | F   | Pos        | No                  | Cough x3 weeks, fever, night sweats | Neg          | Neg              |
| 5.      | 36  | F   | Pos        | Yes                 | Weight loss | Neg            | Neg              |
| 6.      | 21  | F   | Pos        | No                  | Cough x2 weeks, night sweats | Neg          | Neg              |
| 7.      | 36  | F   | Pos        | No                  | Cough x1 week, weight loss | Neg          | Neg              |
| 8.      | 32  | M   | Pos        | Yes                 | Cough x8 weeks, fever, weight loss, night sweats | Neg          | Pos (low)        |
| 9.      | 48  | M   | Pos        | Yes                 | Cough x7 weeks, fever, weight loss, night sweats | Neg          | Neg              |

Abbreviations: F=female; M= male; Neg= negative; Pos=positive. Patient number 9 had evidence of non-tuberculous mycobacteria on sputum culture, however, this does not exclude the possibility of dual infection with *Mycobacterium tuberculosis*.
Supplementary Table S3. Positive and negative predictive values of microbiological investigations for TB according to HIV-status among presumptive TB patients (n=151)

|                             | All patients (n=151) | HIV-positive (n=68) | HIV-negative (n=81) |
|-----------------------------|----------------------|---------------------|---------------------|
|                             | n/N                  | PPV (95% CI)        | n/N                 | PPV (95% CI) |
|                             |                      | NPV (95% CI)        |                      | NPV (95% CI) |
| Sputum smear microscopy     | 15/34                | 100 (78-100)        | 3/12                | 100 (29-100) |
|                             | 117/117              | 86 (79-91)          | 56/56               | 86 (75-94)  |
|                             |                      |                     | 10/20               | 100 (69-100) |
|                             |                      |                     | 61/61               | 86 (76-93)  |
| Sputum Xpert Ultra          | 34/34                | 92 (78-98)          | 12/12               | 86 (57-98)  |
|                             | 114/117              | 100 (97-100)        | 54/56               | 100 (94-100) |
|                             |                      |                     | 20/20               | 95 (76-100) |
|                             |                      |                     | 60/61               | 100 (95-100) |
| Urine FujiLAM               | 26/34                | 74 (57-88)          | 9/12                | 60 (32-84)  |
|                             | 108/117              | 93 (87-97)          | 50/56               | 94 (84-99)  |
|                             |                      |                     | 15/20               | 83 (59-96)  |
|                             |                      |                     | 58/61               | 92 (82-97)  |