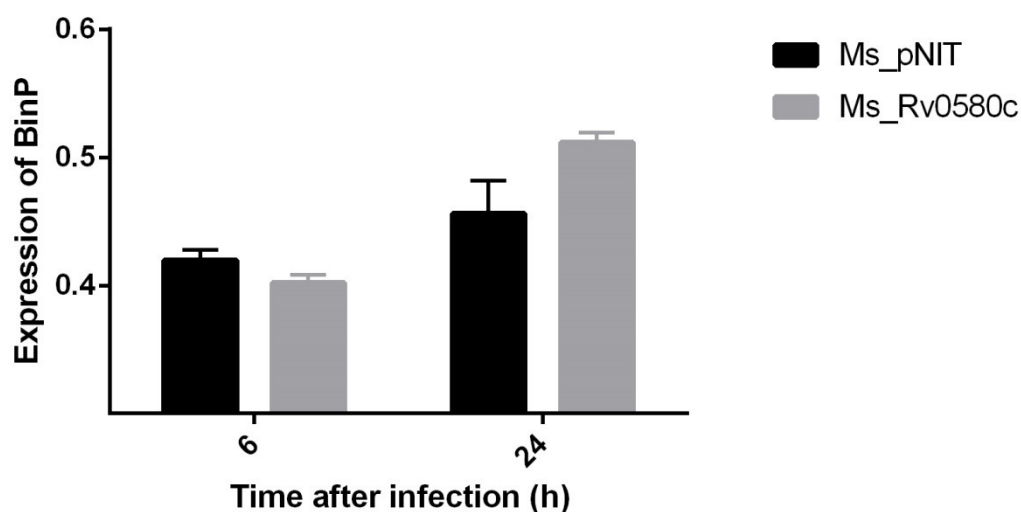


## Supplementary materials



**Figure S1.** Rv0580c unchanged the expression of BinP. PMA- induced THP-1 cells were infected with Ms\_pNIT and Ms\_Rv0580c strains. 6 h and 24 h post infection, total RNAs were isolated and performed the RT-PCR to determine the transcriptional level of BinP.  $\beta$ -actin gene of macrophages THP-1 cells was used as an internal control.

**Table S1.** Homology percentage of Rv0580c amino acids sequences with its mycobacterium orthologous by BlastP.

| Strains                             | Accession No.  | Identity (%) |
|-------------------------------------|----------------|--------------|
| <i>M. tuberculosis str. Haarlem</i> | EBA41097.2     | 100.00       |
| <i>M. tuberculosis CDC1551</i>      | AAK44833.1     | 100.00       |
| <i>M. tuberculosis SUMu003</i>      | EFP20741.1     | 100.00       |
| <i>M. bovis</i>                     | CEJ32381.1     | 99.39        |
| <i>M. canettii</i>                  | WP_014000309.1 | 99.39        |
| <i>M. tuberculosis GuangZ0019</i>   | EQM23392.1     | 99.23        |
| <i>M. malmoense</i>                 | WP_083011943.1 | 78.12        |
| <i>M. heidelbergense</i>            | WP_083074017.1 | 77.50        |
| <i>M. kansasii</i>                  | WP_023370711.1 | 76.88        |
| <i>M. bohemicum</i>                 | WP_085179266.1 | 76.43        |
| <i>M. gastri</i>                    | WP_036411571.1 | 76.25        |
| <i>M. gastri 'Wayne'</i>            | ETW25170.1     | 76.25        |
| <i>M. haemophilum</i>               | WP_054880698.1 | 75.78        |
| <i>M. riyadhense</i>                | WP_085249187.1 | 75.62        |
| <i>M. sp. ACS4054</i>               | WP_067902803.1 | 74.53        |

**Table S2.** Used primers in this study.

| Primers           | Sequence (5'-3')          |
|-------------------|---------------------------|
| pNIT-Rv0580c-F    | CGCCATATGGGATCTCGGTGAAG   |
| pNIT-Rv0580c-R    | CTACGAATTGTCGCGGATCCGGC   |
| IFN- $\gamma$ -F  | GAAGAATTGGAAAGAGGAGAG     |
| IFN- $\gamma$ -R  | TGGATGCTCTGGTCATCTTT      |
| IL-10-F           | ACCTGGGTTGCCAAGCCTTGT     |
| IL-10-R           | GCTCCACGGCCTTGCTCTTGTTT   |
| HIF1- $\alpha$ -F | CTCAAAGTCGGACAGCCTCA      |
| HIF1- $\alpha$ -R | CCCTGCAGTAGGTTTCTGCT      |
| ATF-4-F           | GTCAGTCCCTCCAACAACA       |
| ATF-4-R           | GGTGTCTTCTCCTTTATGC       |
| CHOP-F            | GCACCTCCCAGAGCCCTCACTCTCC |
| CHOP-R            | GTCTACTCCAAGCCTTCCCCCTGCG |
| CHAC1-F           | CCTGAAGTACCTGAATGTGCGAGA  |

|           |                          |
|-----------|--------------------------|
| CHAC1-R   | GCAGCAAGTATTCAAGGTTGTGGC |
| Bnip3-F   | GGATGCAGGAGGAGAGCCT      |
| Bnip3-R   | CGAG GTGGGCTGTCACAGT     |
| β-actin-F | GTGACGTTGACATCCGTAAAGA   |
| β-actin-R | TGTGAGTCCCGGAGCGTGCAGTT  |

**Table S3.** MIC values of antibiotics.

| Antibiotics   | MIC (μg/ml) |         |
|---------------|-------------|---------|
|               | Ms_Rv0580c  | Ms_pNIT |
| Vancomycin    | 15.625      | 7.812   |
| Amakine       | 3.906       | 1.953   |
| Roxithromycin | 250.0       | 125.0   |
| Erythromycin  | 125.0       | 31.25   |