

Supplemental information

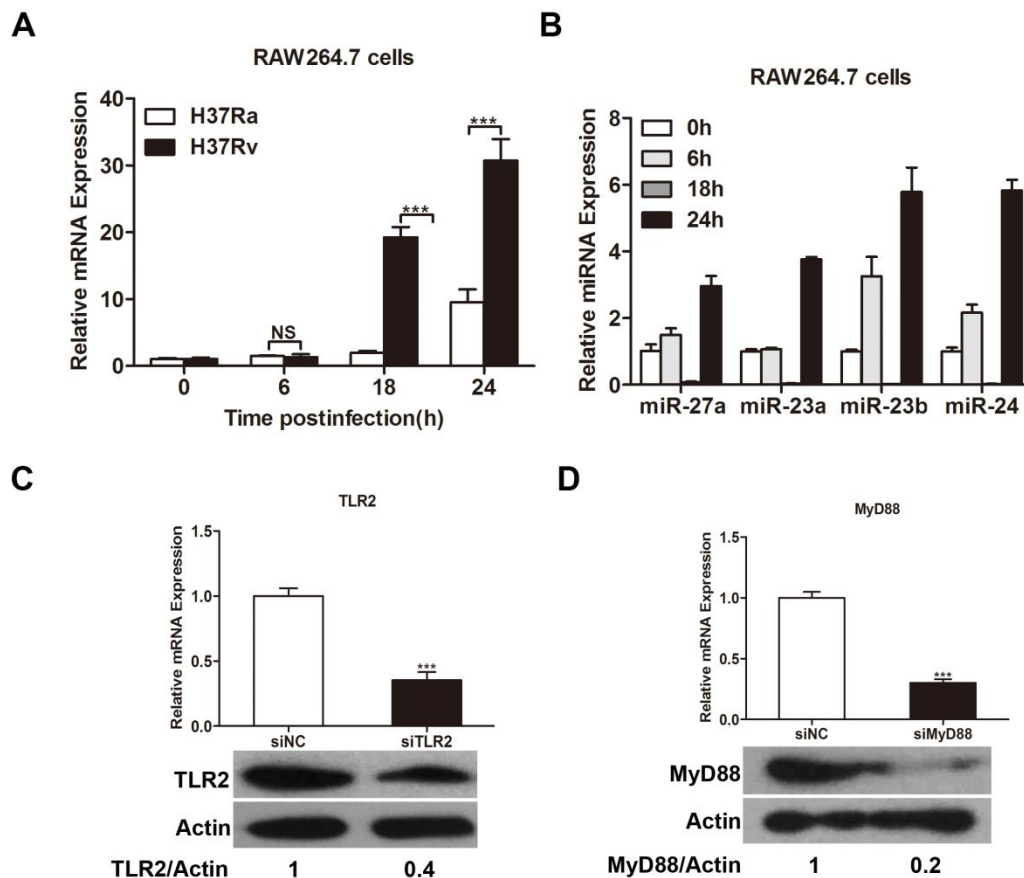


Figure S1 miR-23/24/27 clusters were regulated by mycobacteria. (A and B) RAW264.7 cells were infected with *Mtb* H37Ra or H37Rv at an MOI of 5 for different times. The changes of pre-miR-27b (A) and mature miR-27a/miR-23a/miR-23b/miR-24 (B) were quantitated by qPCR. (C and D) RAW264.7 cells were transfected with siRNA targeting TLR2 and MyD88. Expression levels of TLR2 (C) and MyD88 (D) were measured by qPCR and Western blotting.

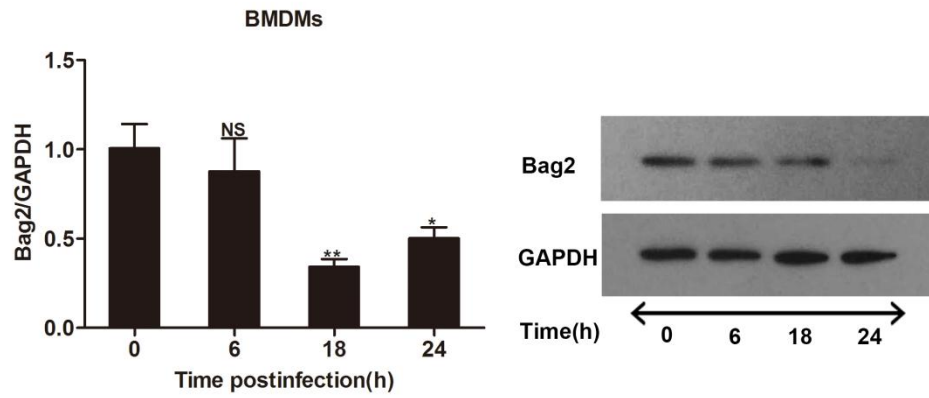


Figure S2 Bag2 expression is down-regulated after mycobacterial infection. BMDMs were infected with *Mtb* H37Rv for the indicated time and the expression of Bag2 was tested with qPCR and Western-blot.

Supplemental Table 1. Primer sequences for qPCR analysis.

Gene name	Forward primer (5'-3')	Reverse primer (5'-3')
TLR2	GAGGTGCGGACTGTTTCCTT	GAGATTTGACGCTTGTCTGAGG
MyD88	TGTTCTTGAAACCCTCGGACG	TTCTGGCAGTCCTCCTCGAT
Bag2	TCCATGGCCGACCGCT	CCTCTCTTTCTCCATCGCTAATCTG
IL-1 β	GCAGTGGTTCGAGGCCTAAT	CTCATCACTGTCAAAAGGTGGC
IL-6	GCCTTCTTGGGACTGATGCT	TGCCATTGCACAACCTCTTTTCT
TNF- α	GATCGGTCCCCAAAGGGATG	GGTGGTTTGCTACGACGTG
iNOS	TCCTCACTGGGACAGCACAGAATG	GTGTCATGCAAAATCTCTCCAAGTCC
pri-miR-27b	GCTCACCAGCCCTTTAATTATG	TAAGTGTCCCCATCTCACCTTC
pre-miR-27b	AGAGCTTAGCTGATTGGTGAACA	TGCAGAACTTAGCCACTGTGAAC
Gapdh	GTGTTCTACCCCAATGTGT	ATTGTCATACCAGGAAATGAGCTT
miR-27b	GGTTCACAGTGGCTAAGTTCTG	The reverse primer for qPCR experiments of miRNAs is a universal primer provided by the miScript II RT Kit (QIAGEN).
miR-27a	TTCACAGTGGCTAAGTTCCGC	
miR-23b	ATCACATTGCCAGGGATTACC	
miR-23a	ATCACATTGCCAGGGATTTCC	
miR-24	TGGCTCAGTTCAGCAGGAACAG	
Rnu6	TGCGCAAGGATGACACGC	