

SUPPLEMENTAL MATERIAL

Qi et al., <http://www.jem.org/cgi/content/full/jem.20151938/DC1>



Figure S1. The expression of genes encoding TFEB and its targets are differentially regulated in the absence of cathepsin B. Genome-wide gene expression profiling was performed on WT and *Ctsb*^{-/-} BMDMs by microarray analysis. The CLEAR network gene expression (A), autophagy gene expression (B), and lysosomal cathepsins expression (C) were analyzed. Red color indicates gene expression being up-regulated and blue color indicates gene expression being down-regulated in uninfected *Ctsb*^{-/-} BMDMs relative to uninfected WT BMDMs.

Table S1. Real-time quantitative PCR primer sequences

| Gene | 5' primer | 3' primer |
|----------------|---------------------------|---------------------------|
| <i>Wdr45</i> | GCCTGGTAGAGATGCTGCAC | ACTCCAGCACCAGTTTGTCC |
| <i>Beclin1</i> | CCAGGAACCTCACAGTCCAT | GGCGAGTTTCAATAAATGGC |
| <i>Ctsb</i> | CTTAGGAGTGACGGGAGAG | GATCAAGGACCACCACATCC |
| <i>Ctse</i> | GCCCAACCCATCCACTTACT | CCTTCCACCCTTCTTCTCCTC |
| <i>Ulk1</i> | ATCGTGCCGCTGTATGACTT | GCAGGTAGTCAGCCAGTCT |
| <i>iNos</i> | TGTGACACACAGCGCTACAACA | GAAACTATGGAGCACAGCCACAT |
| <i>Lcn2</i> | ACATTTGTTCCAAGCTCCAGGGC | CATGGCGAACTGGTTGTAGTCCG |
| <i>Tfeb</i> | CAAGGCCTCTGTGATTACA | GGAGCCAGAGCTGCTTGTTA |
| <i>Ifnb</i> | GCCTTTGCCATCCAAGAGATGC | ACACTGTCTGTGGTGGAGTTC |
| <i>Trpm1</i> | GAGCGAGGCTGCAGTGAC | GGGTCCCATACCCAGGATT |
| <i>Gapdh</i> | CGTCCCCTAGACAAAATGGT | TTGATGGCAACAATCTCCAC |
| <i>Hprt</i> | CTCATGGACTGATTATGGACAGGAC | GCAGGTCAGCAAGAAGCTTATAGCC |