

***Salmonella* and *s.aureus* escape from the clearance of macrophages via controlling TFEB**

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Figure S1. *Salmonella* restrains the expression of TFEB and the expression of lysosomal proteins, while *s.aureus* boosts the expression of TFEB early and decreases later. (A-F) Histograms show the statistics of LAMP1, ATP6V1A, TFEB, cathepsin B, ATP6V0D2, and LC3 in BMDMs under the treatment of *salmonella* and *s.aureus* at a time gradient. (G) Histogram shows the ATP6V1A, ATP6V0D2, TFEB and LC3 in peritoneal macrophages under the administration of *s.aureus*, *salmonella* or not in vivo.

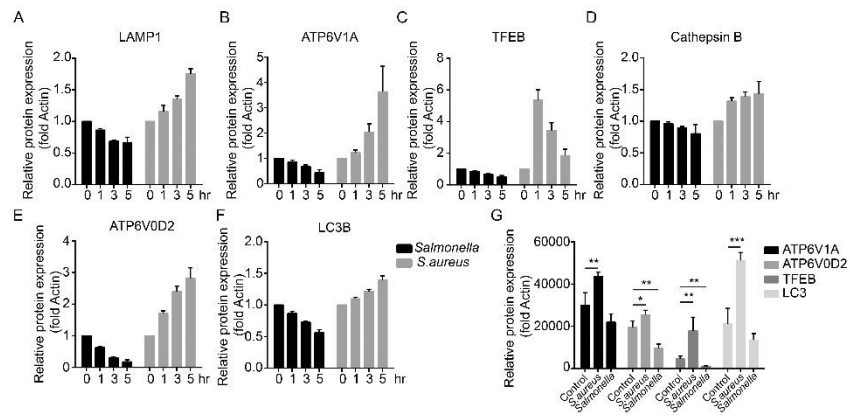
Figure S2. VX-765 restores the expression level of TFEB and lysosomal proteins with infection of *salmonella*. (A) Histograms show the LAMP1, TFEB, and ATP6V0D2 in BMDMs under the treatment of *salmonella* or combined with VX-765. (B, C) BMDMs were infected with *salmonella* with 500 nM SCH772984, 100 nM

rapamycin, 10 μ m S31-201 or 200 nM IKK 16 for 0, 1, 3, 5 hours, and LAMP1, TFEB, ATP6V0D2, actin were measured with western-blot (B), and quantified the expression level of those proteins (C). The representative bands were from three independent experiments (B).

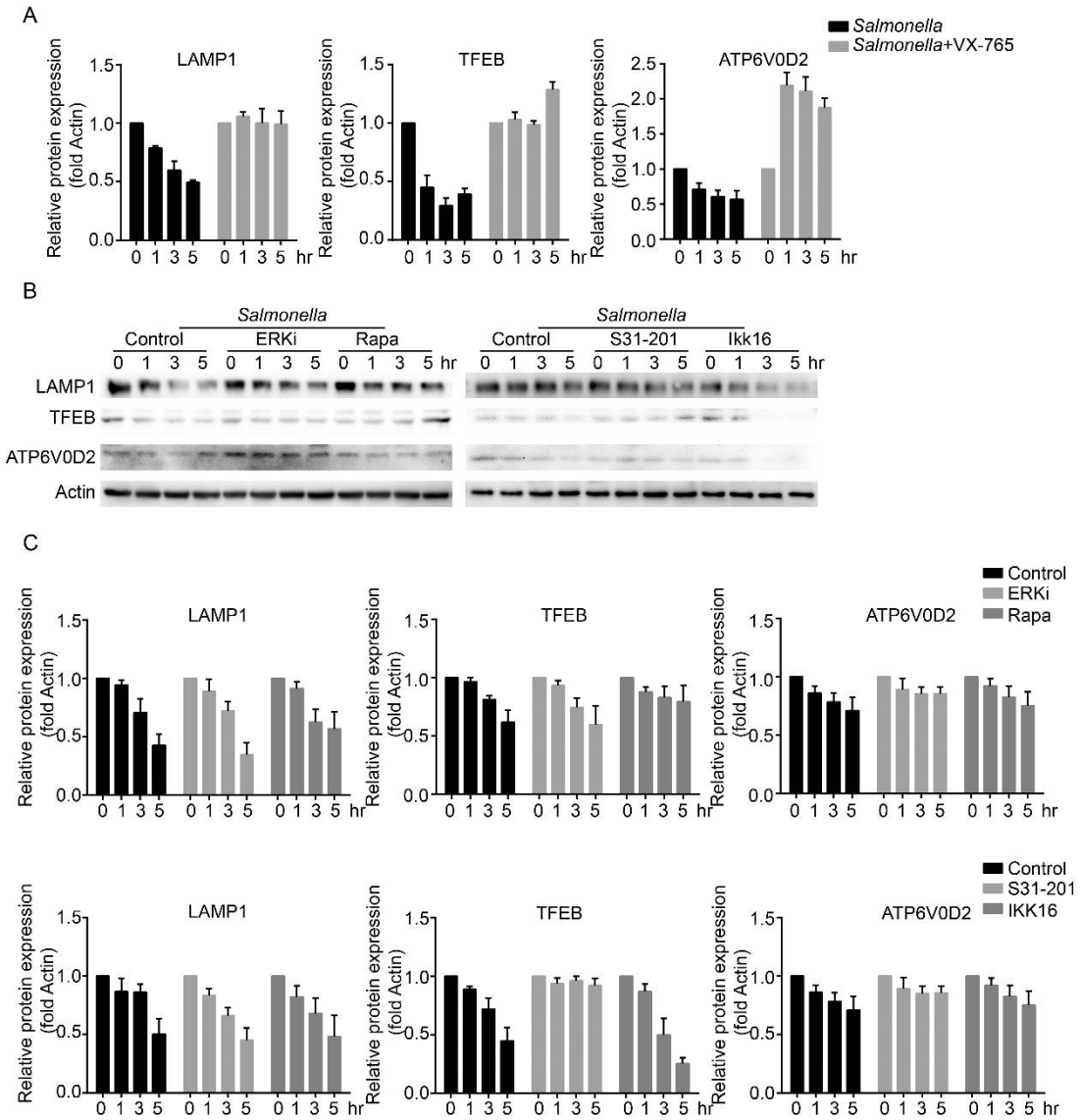
Figure S3. ERKi, rapamycin and S31-201 accelerate the expression of TFEB and lysosomal proteins with infection of *s.aureus*. (A) Histograms show the expression level of LAMP1, TFEB and ATP6V0D2 under the treatment of *s.aureus* alone or combined with 500 nM SCH772984, 100 nM rapamycin, 10 μ m S31-201 or 200 nM IKK 16 for 0, 1, 3, 5 hours.

Figure S4. VX-765, ERKi, rapamycin, S31-201 and IKK16 do not obviously up-regulate the expression of TFEB and lysosomal proteins by themselves. (A-D) mature BMDMs were treated with 5 μ M VX-765, 500 nM SCH772984, 100 nM rapamycin, 10 μ m S31-201 or 200 nM IKK 16 for 0, 1, 3, 5 hours. LAMP1, TFEB, ATP6V0D2, actin were measured with western-blot (A, C) and quantified (B, D). The representative bands were from three independent experiments (A, C).

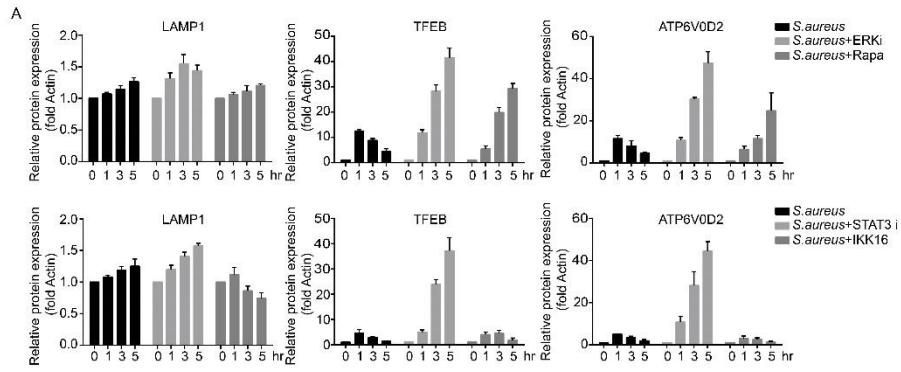
Supplemental Figure 1



Supplemental Figure 2



Supplemental Figure 3



Supplemental Figure 4

