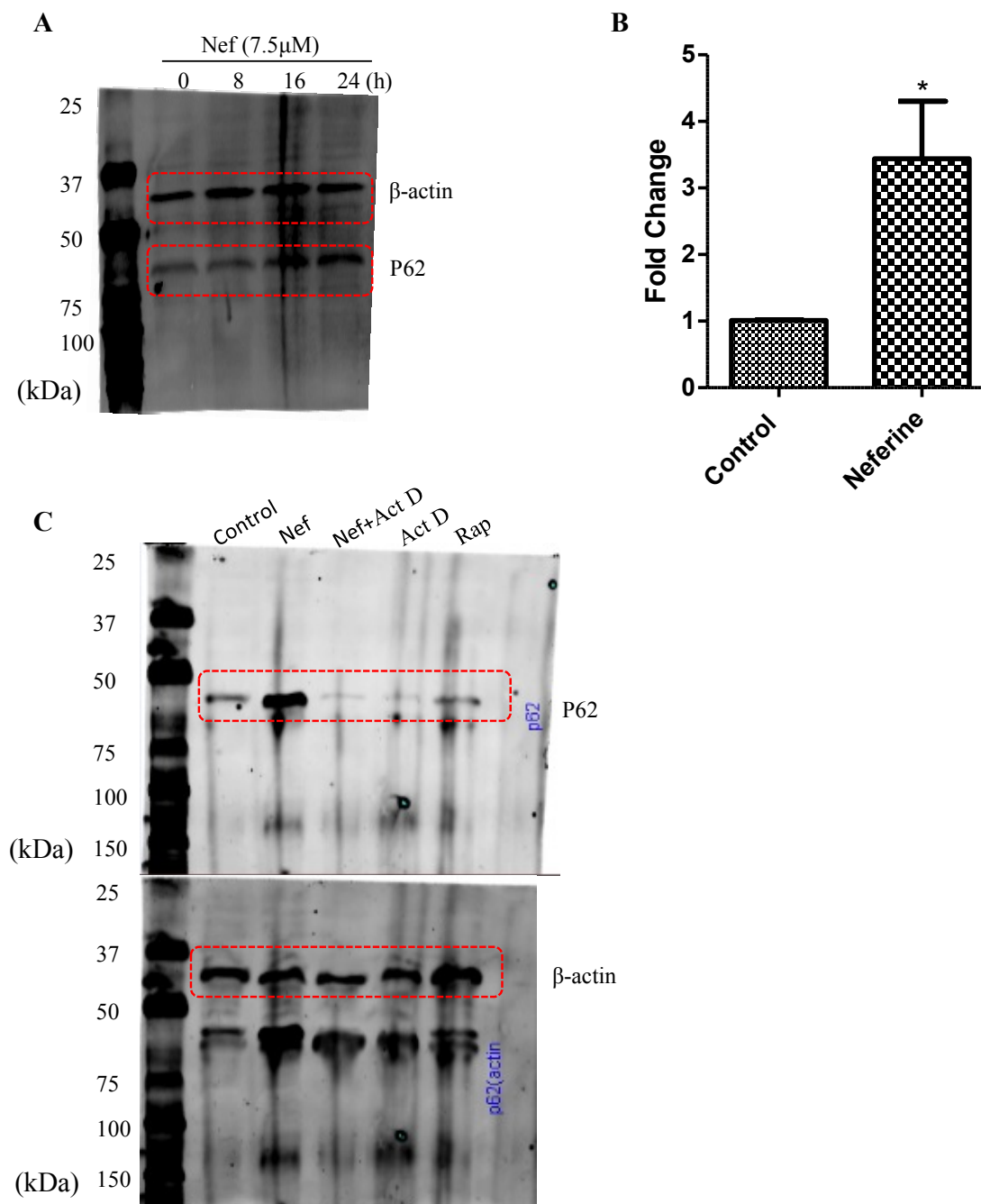


## Supplementary Materials



**Figure S1.** Neferine up-regulates the mRNA and protein level of p62. **(A)** Full-length immunoblot of SDS-PAGE showing the protein levels of p62 from 0–24 h of neferine treatment (7.5 mM). **(B)** PC-12 cells were analyzed by real-time PCR on the p62 mRNA level and normalized against the housekeeping gene ( $\beta$ -actin) after 24 h of neferine (7.5 mM) treatment. **(C)** PC-12 cells were pre-treated with actinomycin D (ACD) (2.5 mg/mL) for 1 h before neferine (7.5  $\mu$ M) treatment for 0–16 h. Cells treated with 0.3 mM of rapamycin (Rap) for 24 h were used as the positive control. Cell lysates were then analyzed for p62 and  $\beta$ -actin. Columns, means of three independent experiments; bars, SEM. \*  $p < 0.01$ .