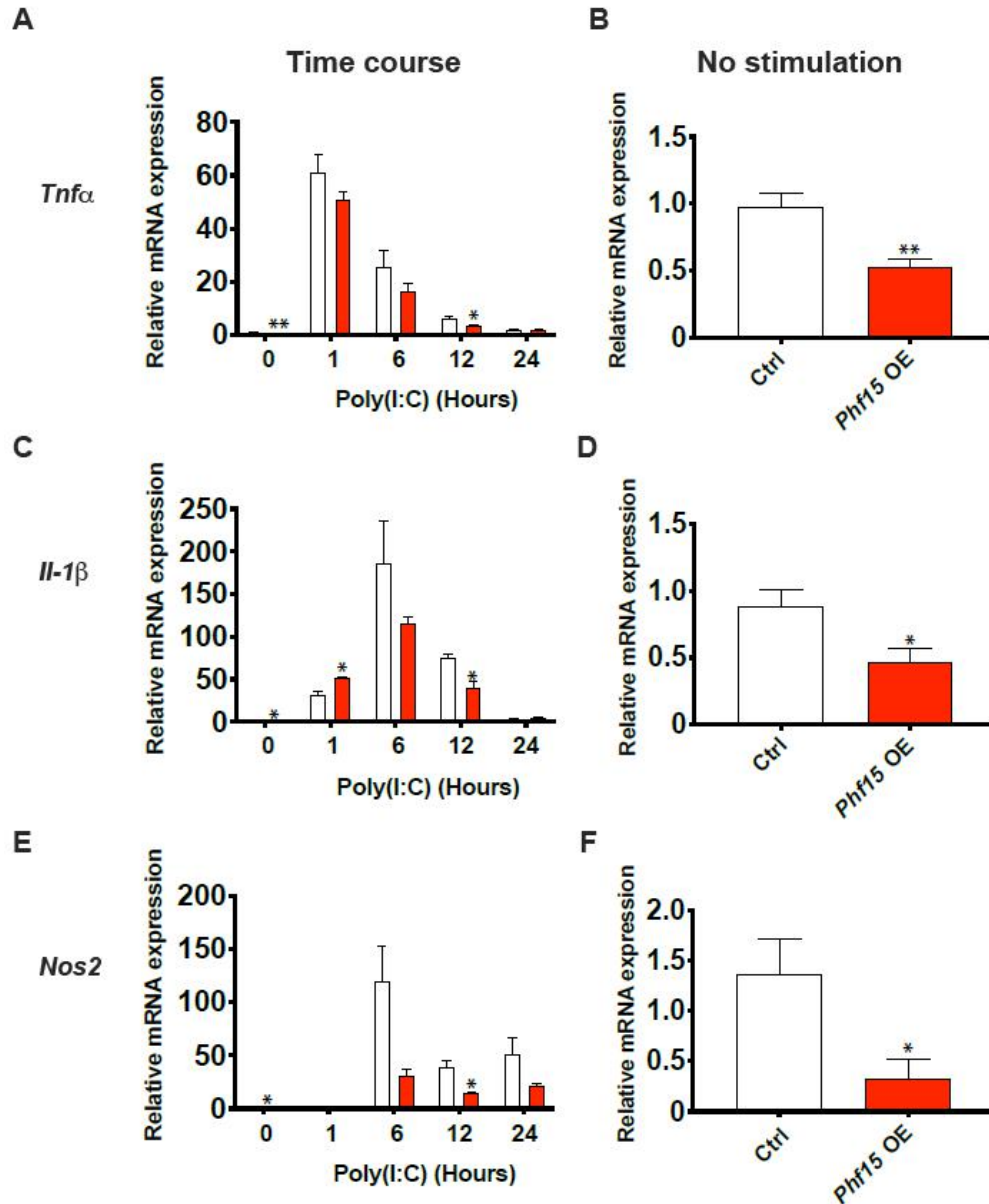


Supplementary Figure 6. *Phf15* overexpression dampens the microglial inflammatory response after TLR9 stimulation. 24-hour time course experiments showing relative mRNA expression levels of *Tnfa* (A), *Il-1β* (C), and *Nos2* (E) after CpG ODN stimulation. *Tnfa*, *Il-1β* and *Nos2* expression at time point 0 from the time course experiments are displayed separately in (B), (D) and (F), respectively. All data are mean ± SEM ($n = 3$ per condition). Unpaired *t*-tests with Holm-Sidak correction for multiple comparisons between *Phf15* KO and control cells within timepoint: asterisks indicate * $P < 0.05$, **** $P < 0.0001$. Fold OE of *Phf15* in SIM-A9 microglia compared to control cells is shown in Figure 4A. CpG ODN: CpG Oligodeoxynucleotide; *Tnfa*: tumor necrosis factor alpha; *Il-1β*: interleukin 1 beta; *Nos2*: nitric oxide synthase, inducible; OE: overexpression; KO: knockout



Supplementary Figure 7. *Phf15* overexpression dampens the microglial inflammatory response after TLR3 activation. 24-hour time course experiments showing relative mRNA expression levels *Tnfα* (A), *Il-1β* (C), and *Nos2* (E) after Poly(I:C) stimulation. *Tnfα*, *Il-1β* and *Nos2* expression at time point 0 from the time course experiments are displayed separately in (B), (D) and (F), respectively. All data are mean \pm SEM ($n = 3$ per condition). Unpaired *t*-tests with Holm-Sidak correction for multiple comparisons between *Phf15* KO and control cells within timepoint: asterisks indicate $*P < 0.05$, $**P < 0.01$. Fold overexpression of *Phf15* in SIM-A9 microglia compared to control cells is shown in Figure 4A. Poly(I:C), Polyinosinic:polycytidylic acid; *Tnfα*: tumor necrosis factor alpha; *Il-1β*: interleukin 1 beta; *Nos2*: nitric oxide synthase, inducible; OE: overexpression; KO: knockout