



**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; *Tnfa*: tumor necrosis factor alpha; *Il-1β*: interleukin 1 beta; *Nos2*: nitric oxide synthase, inducible; OE: overexpression; KO: knockout