**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 ± 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), Polynosinic:polycytidyllic acid; Tnfα: tumor necrosis factor alpha; Il-1β: interleukin 1 beta; Nos2: nitric oxide synthase, inducible; OE: overexpression; KO: knockout.