



B

Motif	Name	P=value
	IRF	1e-8
	IRF1	1e-5
	IRF3	1e-5

Supplementary Figure 9. Knockout of *Phf15* leads to downregulation of genes involved in regulation of defense response and cytokine production 6 hours after LPS stimulation. RNA-seq was performed on *Phf15* knockout SIM-A9 microglia after LPS stimulation shown in Figure 6. A: GO analysis for biological process categories for the set of significantly downregulated genes in *Phf15* knockout SIM-A9 microglia is shown. B: Enriched transcription factor binding motifs for the set of downregulated genes after LPS stimulation include ISRE (IRF binding motif), and motifs for IRF1 and IRF3. IRF: interferon regulatory factor; ISRE: interferon stimulated response element; LPS: lipopolysaccharide