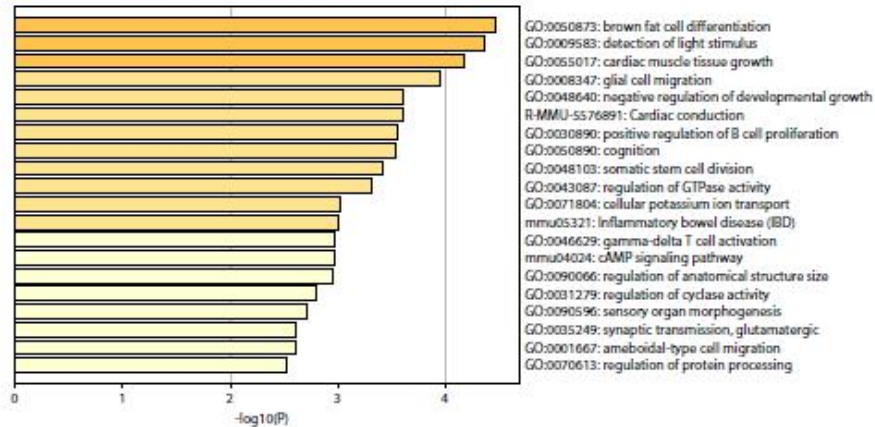


A**Downregulated genes****B**

Motif	Name	P=value
	Twist2	1e-4
	BHLHA15	1e-4

Supplementary Figure 8. Loss of *Phf15* leads to downregulation of genes involved in growth, differentiation and glial cell migration processes under baseline conditions. RNA-seq was performed on *Phf15* knockout SIM-A9 microglia under No stimulation conditions shown in Figure 5. A: GO analysis for biological process categories for the set of significantly downregulated genes in *Phf15* knockout SIM-A9 microglia is shown. Biological categories center around various cell growth and differentiation processes and glial cell migration. B: Enriched transcription factor binding motifs for the set of downregulated genes in the No stimulation (baseline) condition include motifs for Twist2 and BHLHA15. Twist2: twist-related protein 2; BHLHA15: Class A basic helix-loop-helix protein 15