**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