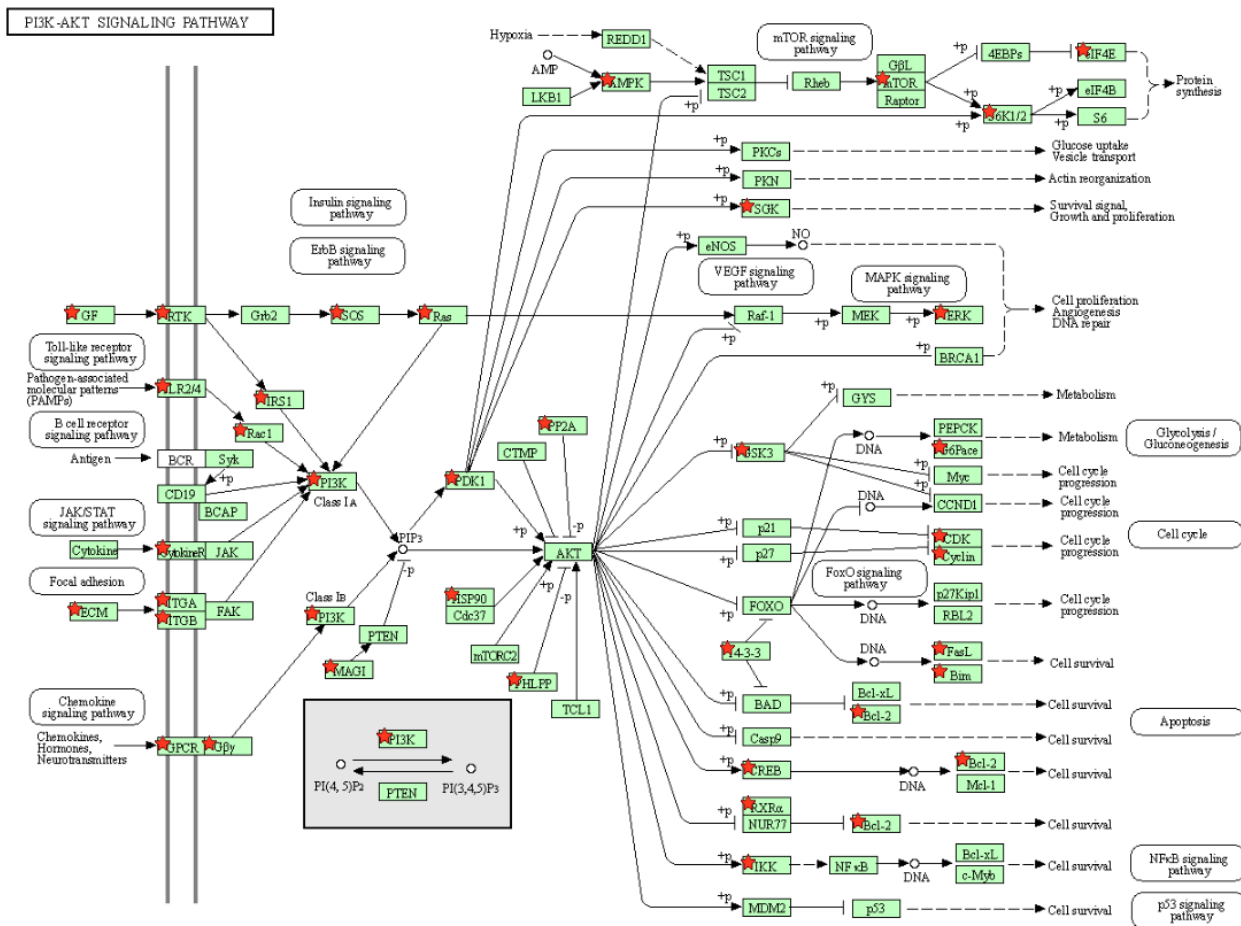


Supplementary Figure 1. The (downregulated) gene targets of upregulated miRNA impacted within the PI3K/Akt pathway determined by DAVID (v6.8) functional annotation analysis tool. Expression changes observed within FhHDM-1 treated β -cells under inflammatory conditions compared to controls treated with pro-inflammatory cytokines only. Activated genes are indicated by the red stars.



Supplementary Figure 2. The (upregulated) gene targets of downregulated miRNAs impacted within the PI3K/Akt pathway as determined using DAVID (v6.8) functional annotation analysis tool. Gene expression level changes observed within FhHDM-1 treated β -cells under inflammatory conditions as compared to control NIT-1 β -cells treated with pro-inflammatory cytokines only. Genes deemed to be increased in expression are indicated by the red stars