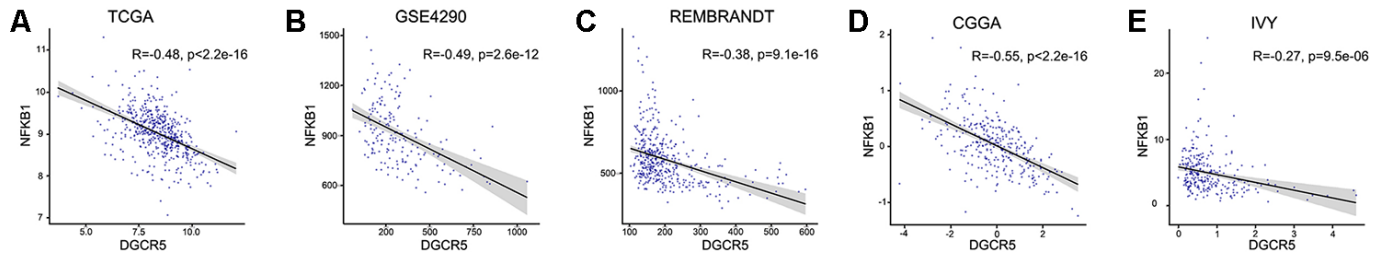
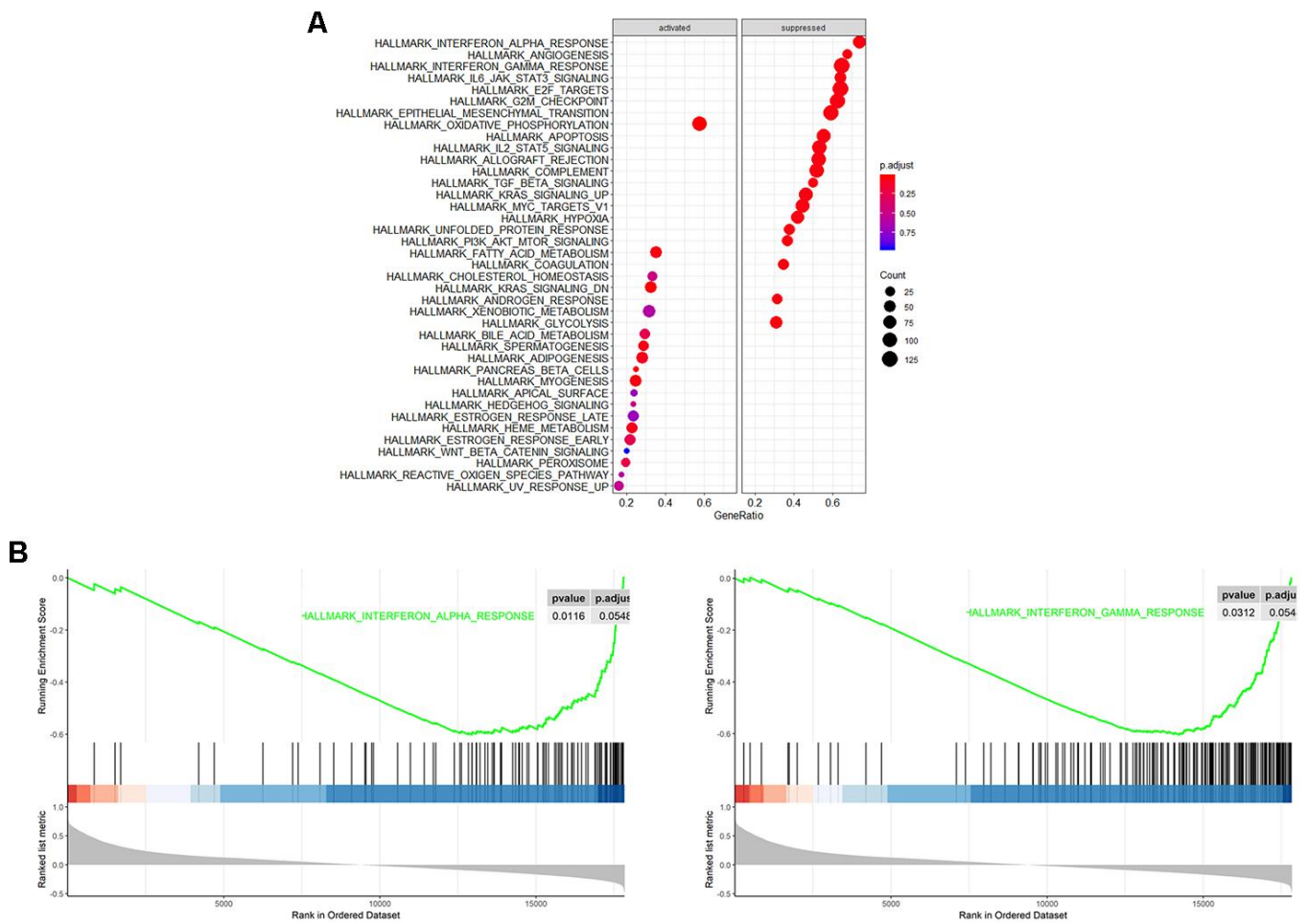


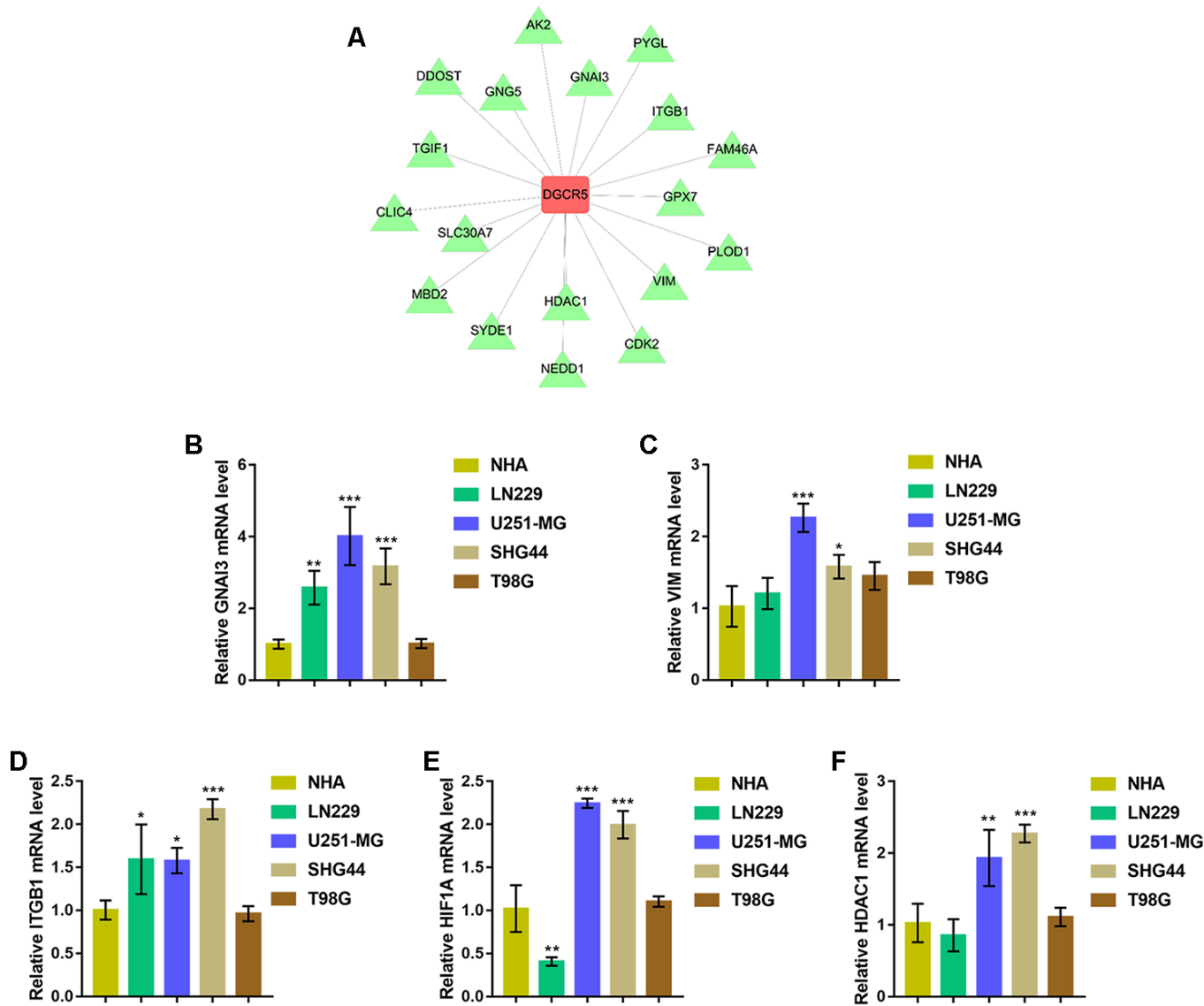
**SUPPLEMENTARY FIGURES**



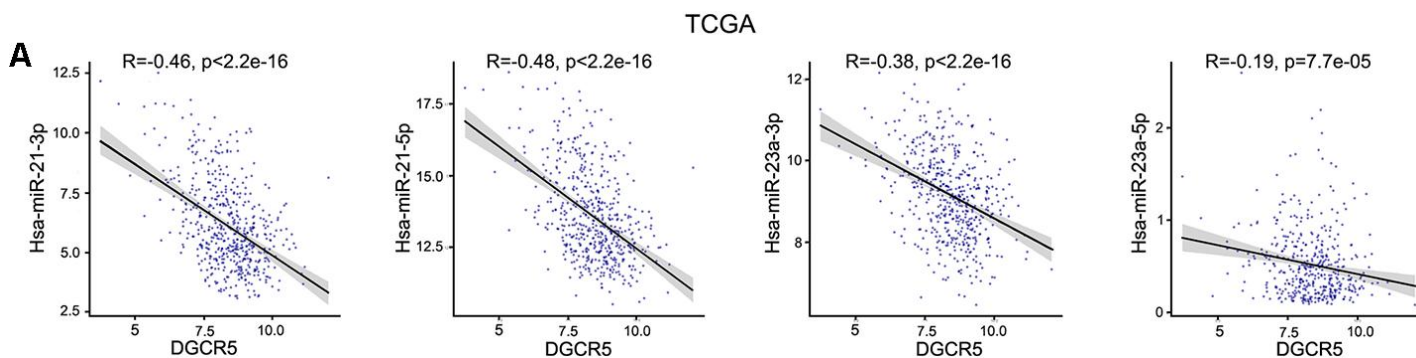
**Supplementary Figure 1.** Correlation between DGCR5 and NF-κB1 according to (A) TCGA data, (B) GSE4290, (C) REMBRANDT, (D) CGGA, and (E) IVY.



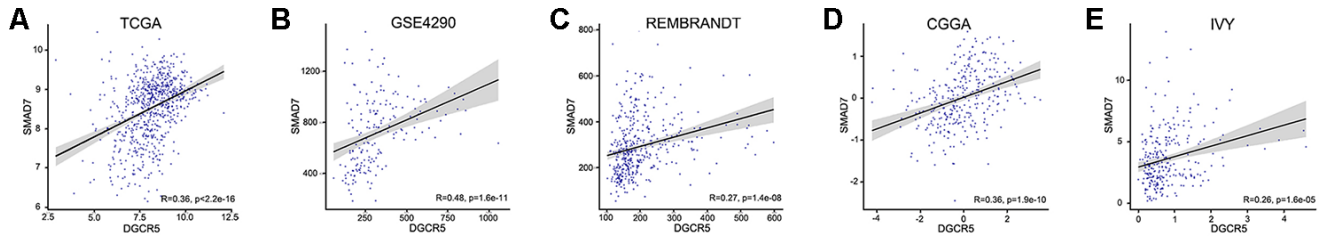
**Supplementary Figure 2.** Kyoto Encyclopedia of Genes and Genomes (KEGG) (A) and Gene Set Enrichment Analysis (GSEA) (B) on DGCR5.



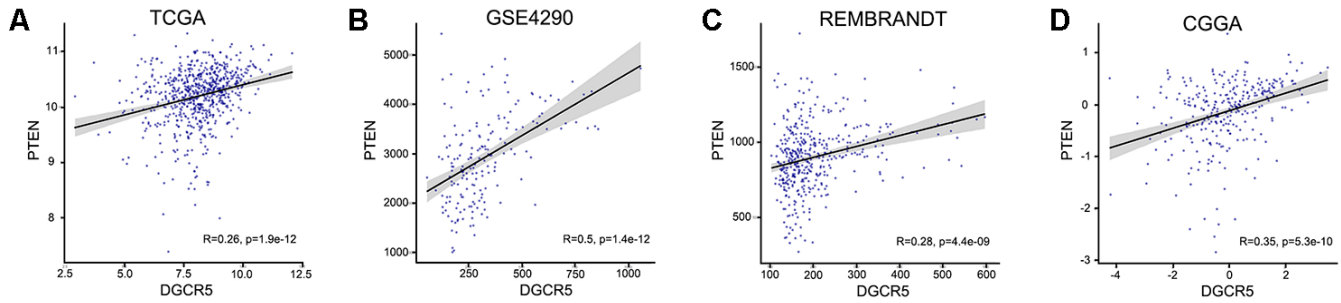
**Supplementary Figure 3.** Co-expression network consists of DGCR5 and its negatively-correlated genes (A) Co-expression network consists of DGCR5 and its negatively-correlated genes. (B–F) Expression of genes negatively-correlated with DGCR5 in NHA, LN229, U251-MG, SHG44, and T98G cells. \* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.005$ .



**Supplementary Figure 4.** Correlation between DGCR5, miR-21, and miR-23a according to TCGA data.



**Supplementary Figure 5.** Correlation between DGCR5 and Smad7 according to (A) TCGA data, (B) GSE4290, (C) REMBRANDT, (D) CGGA, and (E) IVY.



**Supplementary Figure 6.** Correlation between DGCR5 and PTEN according to (A) TCGA data, (B) GSE4290, (C) REMBRANDT, and (D) CGGA.