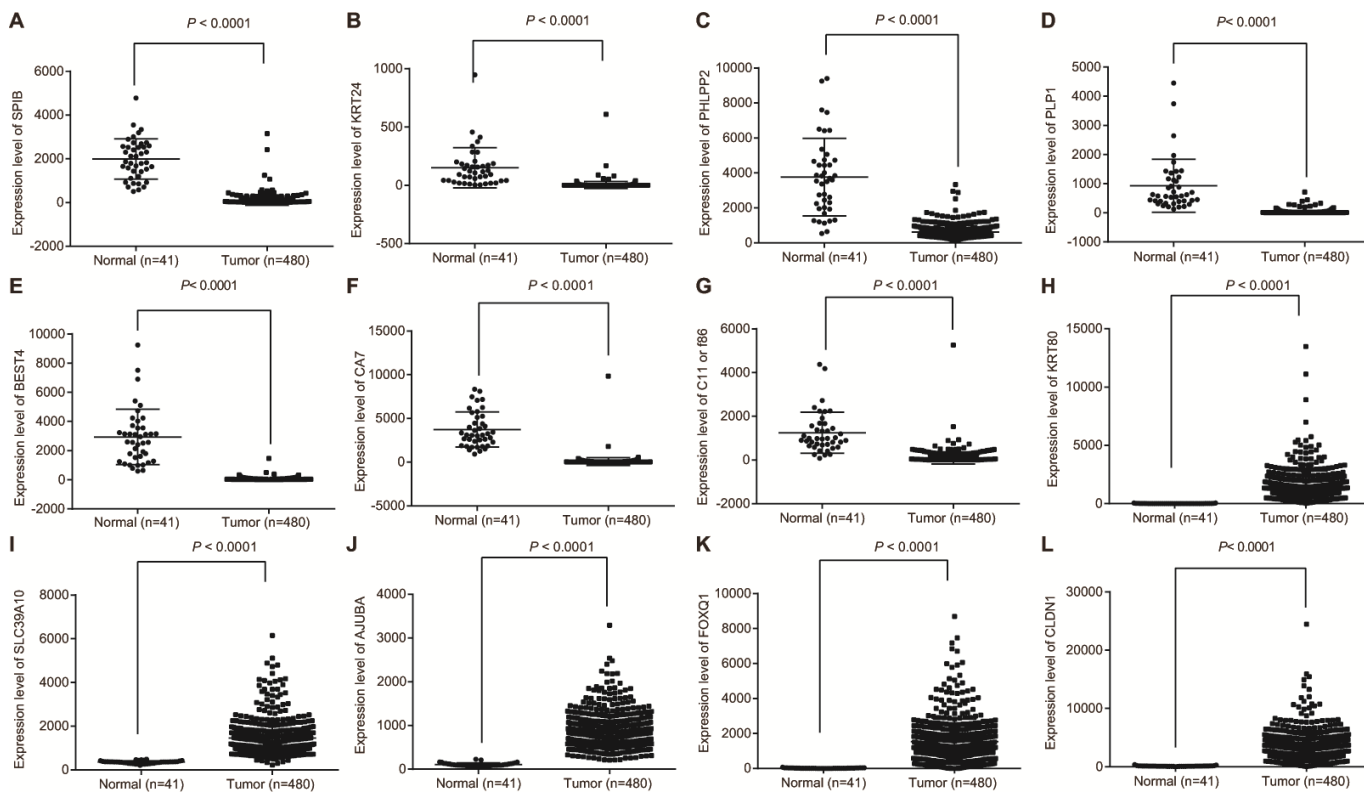
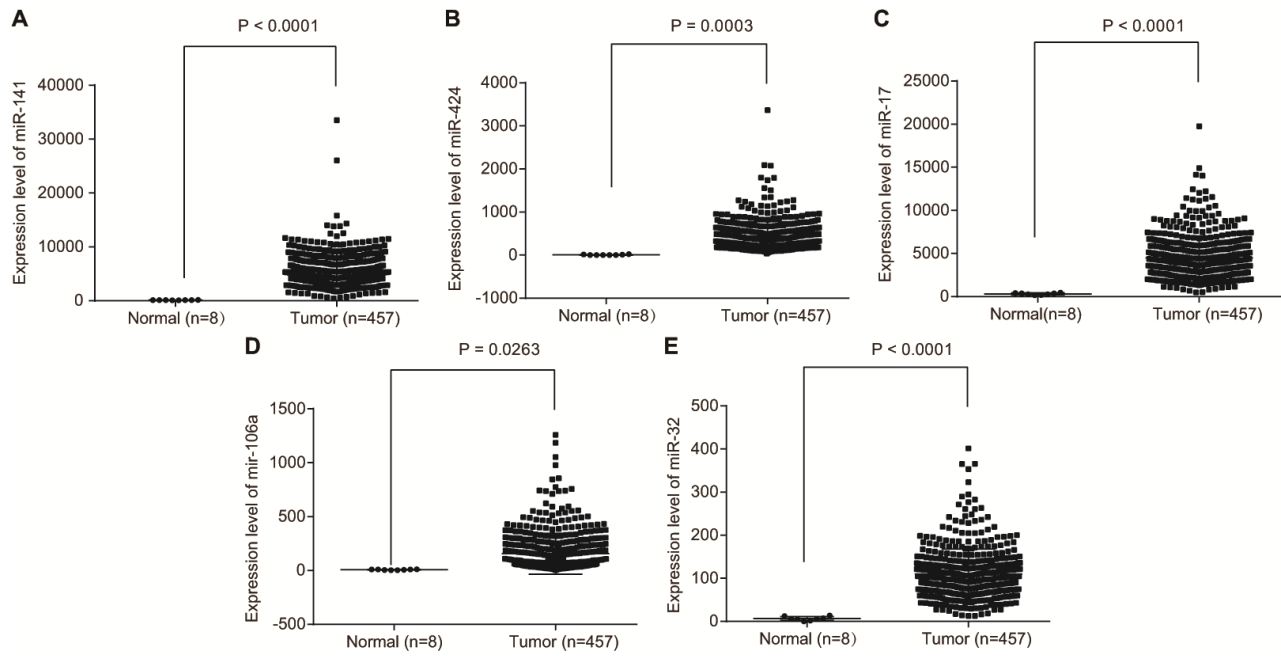


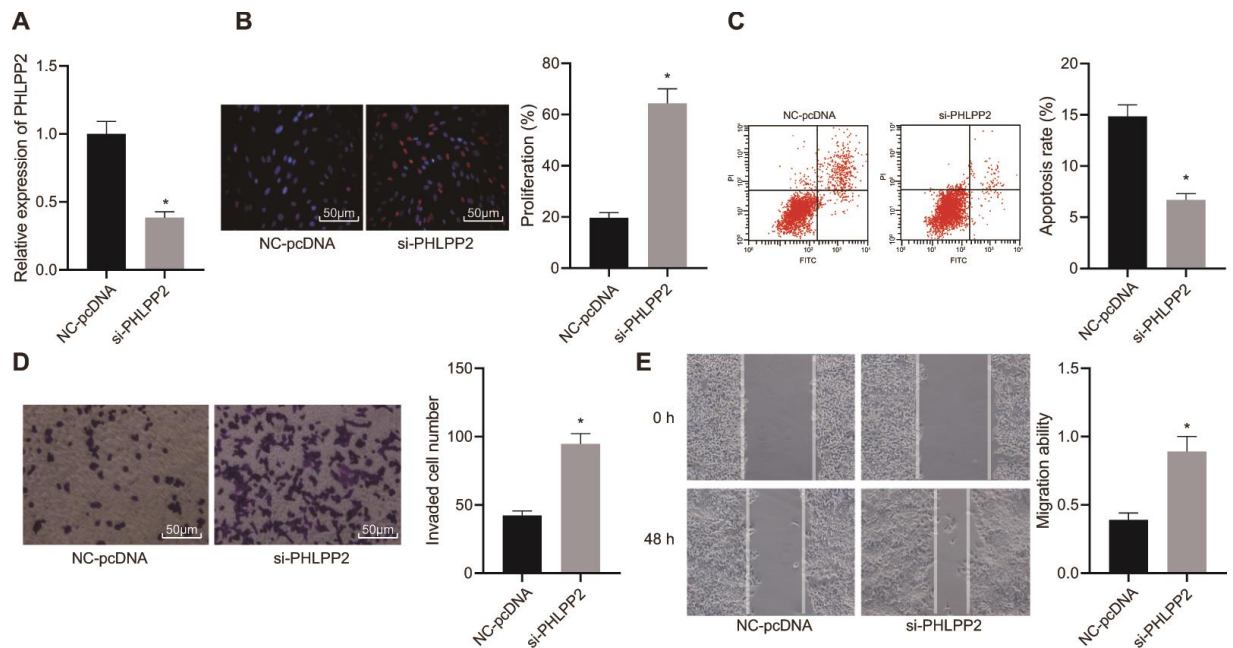
SUPPLEMENTARY FIGURES



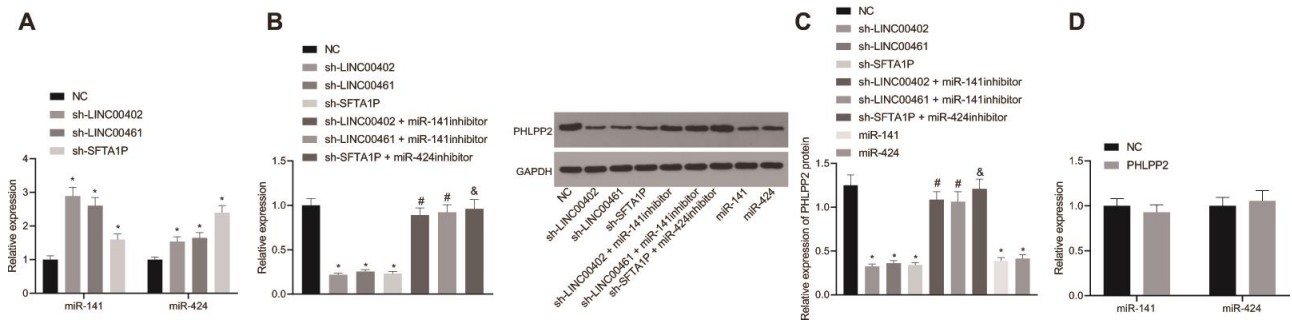
Supplementary Figure 1. Expression of DEGs in the colon cancer and adjacent tissues from the TCGA database. (A) SPIB expression. **(B)** KRT24 expression. **(C)** PHLPP2 expression. **(D)** PLP1 expression. **(E)** BEST4 expression. **(F)** CA7 expression. **(G)** C11orf86 expression. **(H)** KRT80 expression. **(I)** SLC39A10 expression. **(J)** AJUBA expression. **(K)** FOXQ1 expression. **(L)** CLDN1 expression.



Supplementary Figure 2. Expression of miRNAs in colon cancer and adjacent tissues from the TCGA database. (A) miR-141 expression. (B) miR-424 expression. (C) miR-17 expression. (D) miR-106a expression. (E) miR-32 expression.



Supplementary Figure 3. Overexpression of PHLPP2 inhibits SW620 cell proliferation, migration, and invasion while promoting cell apoptosis. (A) Transfection efficiency of PHLPP2 detected by RT-qPCR. (B) SW620 cell migration detected by EdU assay. (C) SW620 cell apoptosis detected by flow cytometry. (D) SW620 cell invasion detected by Transwell assay. (E) SW620 cell migration detected by scratch test. * $p < 0.05$ vs. the NC-pcDNA group. Measurement data in this Figure were expressed as the mean \pm standard deviation, and comparisons among multiple groups were conducted by One-Way ANOVA. The experiment was repeated three times independently.



Supplementary Figure 4. miR-141 and miR-424 are required for the regulatory role of LINC00402, LINC00461, and SFTA1P on PHLPP2 expression in colon cancer. (A) miR-141 and miR-424 expression determined by RT-qPCR. (B) PHLPP2 mRNA expression determined by RT-qPCR. (C) PHLPP2 protein level normalized to GAPDH determined by Western blot analysis. (D) miR-141 and miR-424 expression determined by RT-qPCR. * $p < 0.05$ vs. the NC group. # $p < 0.05$ vs. the sh-LINC00402 and sh-LINC00461 groups. & $p < 0.05$ vs. the sh-SFTA1P group. Measurement data in this Figure were expressed as the mean \pm standard deviation, and comparisons among multiple groups were conducted by One-Way ANOVA. The experiment was repeated three times independently.