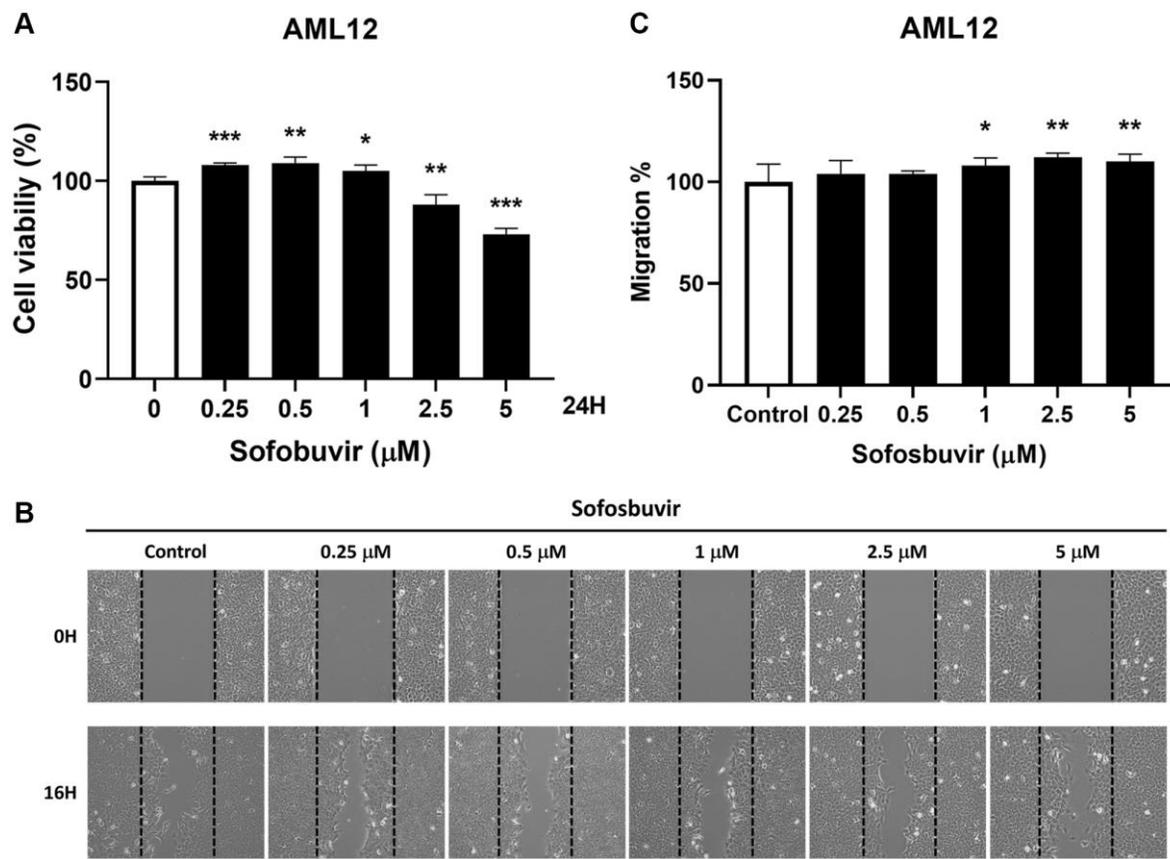
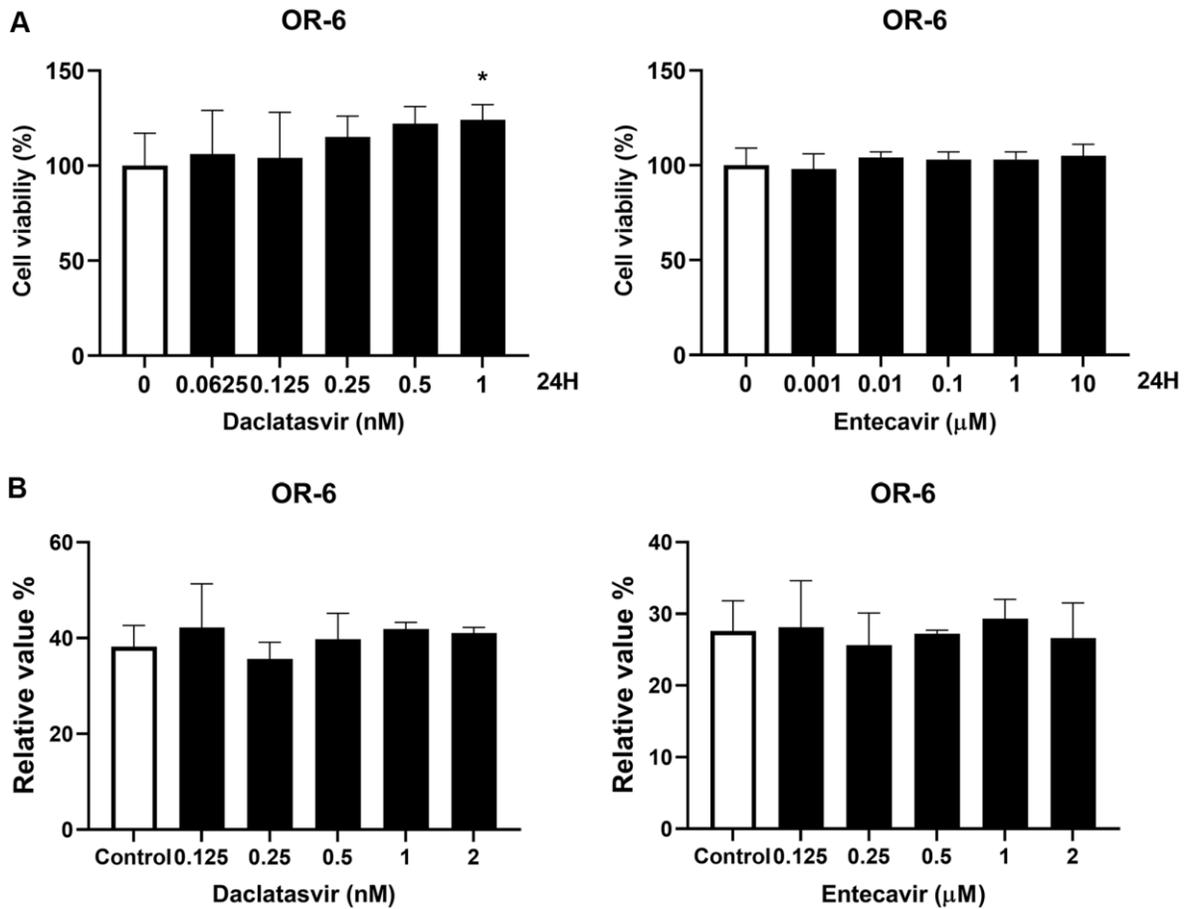


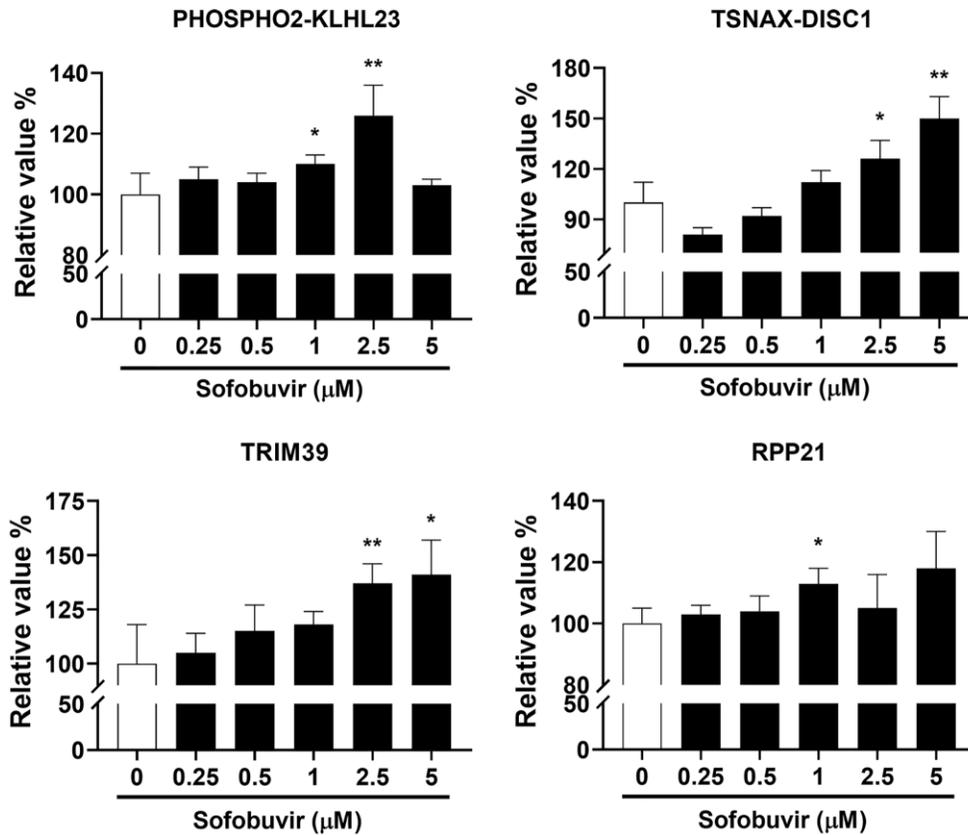
SUPPLEMENTARY FIGURES



**Supplementary Figure 1. The effects of sofosbuvir, on cell proliferation and migration assay in AML-12 cells.** (A) Two-dimensional cell proliferation assay in AML-12 cells treated with different doses of SOF (0.25 to 5  $\mu\text{M}$ ) were performed. The experiments were performed from three independent experiments. (\* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ). (B and C) Migration assay of AML-12 cells treated with different doses of SOF (0.25 to 5  $\mu\text{M}$ ) were performed. The experiments were performed from three independent experiments. (\* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ).



**Supplementary Figure 2. The effects of daclatasvir and entecavir on cell proliferation and migration assay in OR-6 cells.** (A) Two-dimensional cell proliferation assay in OR-6 cells treated with different doses of daclatasvir and entecavir were performed. The experiments were performed from three independent experiments. (\* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ). (B) Cell migration assay in OR-6 cells treated with different doses of daclatasvir and entecavir were performed. The experiments were performed from three independent experiments. (\* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ).



**Supplementary Figure 3. Candidate genes up-regulated by SOF in Huh 7.5.1 cells.** To validate the SOF-upregulated genes identified from NGS, the Huh 7.5.1 cells were treated with SOF (0.25 to 5 μM) for 24 hrs. The cells were harvested to determine gene expression with Q-PCR. Q-PCR validation of PHOSPHO2-KLHL23, TSNAX-DISC1, TRIM39, RPP21 in Huh 7.5.1 cells were performed using GAPDH as a normalized control. The experiments were performed from three independent experiments. (\* $p < 0.05$ ; \*\* $p < 0.01$ ; \*\*\* $p < 0.001$ ).