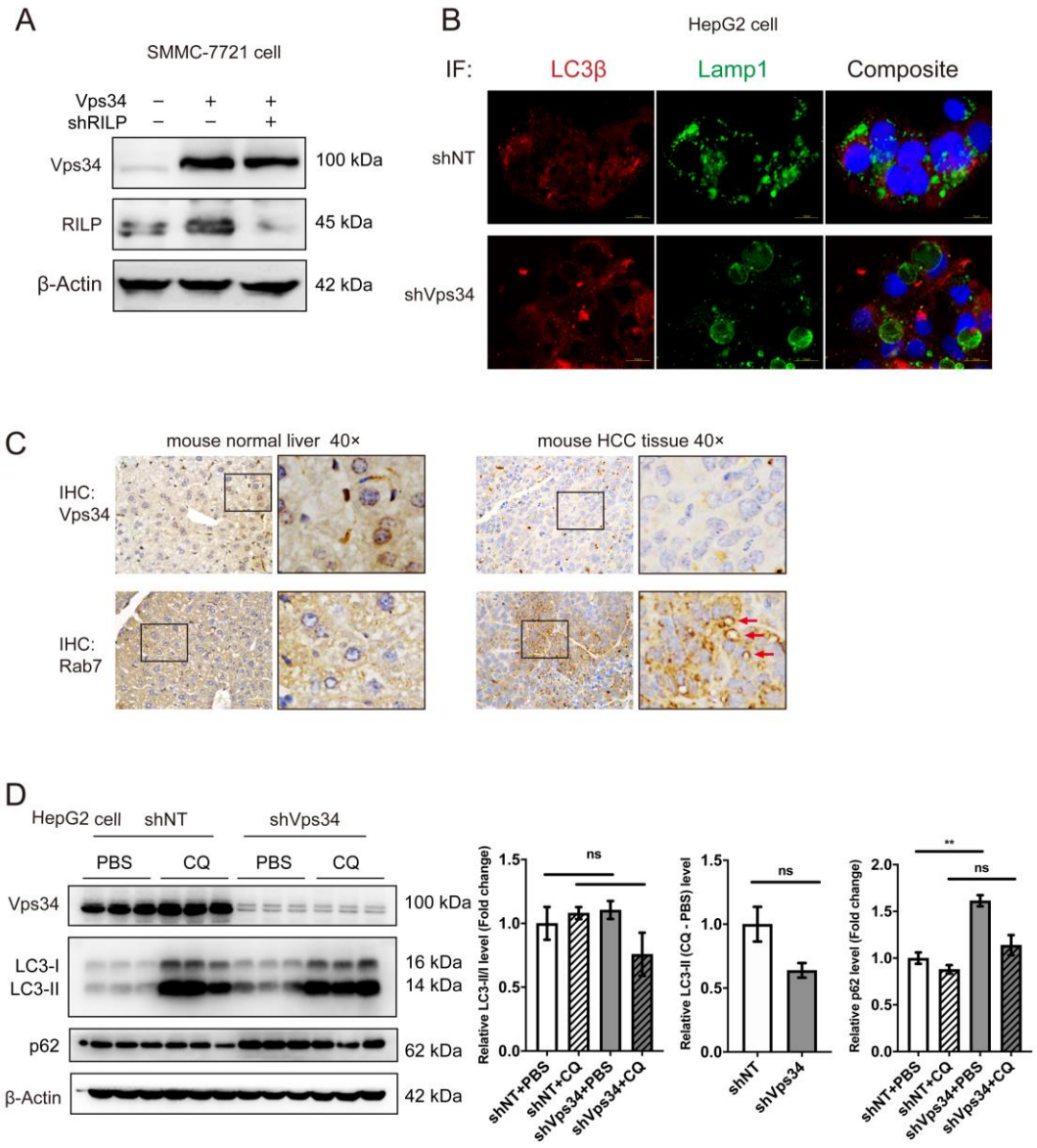

S6 Fig. The regulation of vacuolar protein sorting 34 (Vps34) to endocytosis and autophagy in hepatocellular carcinoma (HCC) cells. (A) Western blot examined the protein level of Vps34 and Rab7-interact-ing lysosomal protein (RILP) in SMMC-7721 cells with or without exogenous Vps34 and/or shRILP transfection. (B) Immunofluorescence staining of LC3β (red) and Lamp1 (green) in HepG2 cells with shVps34 or shNT transfection. (C) Immunohistochemistry staining of Vps34 and Rab7 in mouse HCC tissues in comparison with mouse normal liver tissues. Arrows indicated the giant Rab7-positive vesicles. (D) HepG2 cells were cultured in the absence (phosphate buffered saline [PBS] as control) or presence of CQ (5 μM) for 24 hours. Western blot examined the protein level of Vps34, LC3 and p62. Quantitation of the ratio of LC3-II/I, LC3-II of CQ-PBS (LC3-II level of CQ group minus that of PBS group), and p62 level. Data were presented as mean±standard error of mean. **$p < 0.01$; ns, no significant difference.