

Figure S1 Validation of knockdown and overexpression efficiency of hub genes in BRCA cells. (A) The transfection efficiency of the BATF was verified at both the RT-PCR and western blotting analyses. (B) The transfection efficiency of the TFPI2 was verified at both the RT-PCR and western blotting analyses. (C) The transfection efficiency of the TH was verified at both the RT-PCR and western blotting analyses. ** $P < 0.01$, *** $P < 0.001$ compared with the si-NC, # $P < 0.01$, ### $P < 0.001$ compared with the vector.

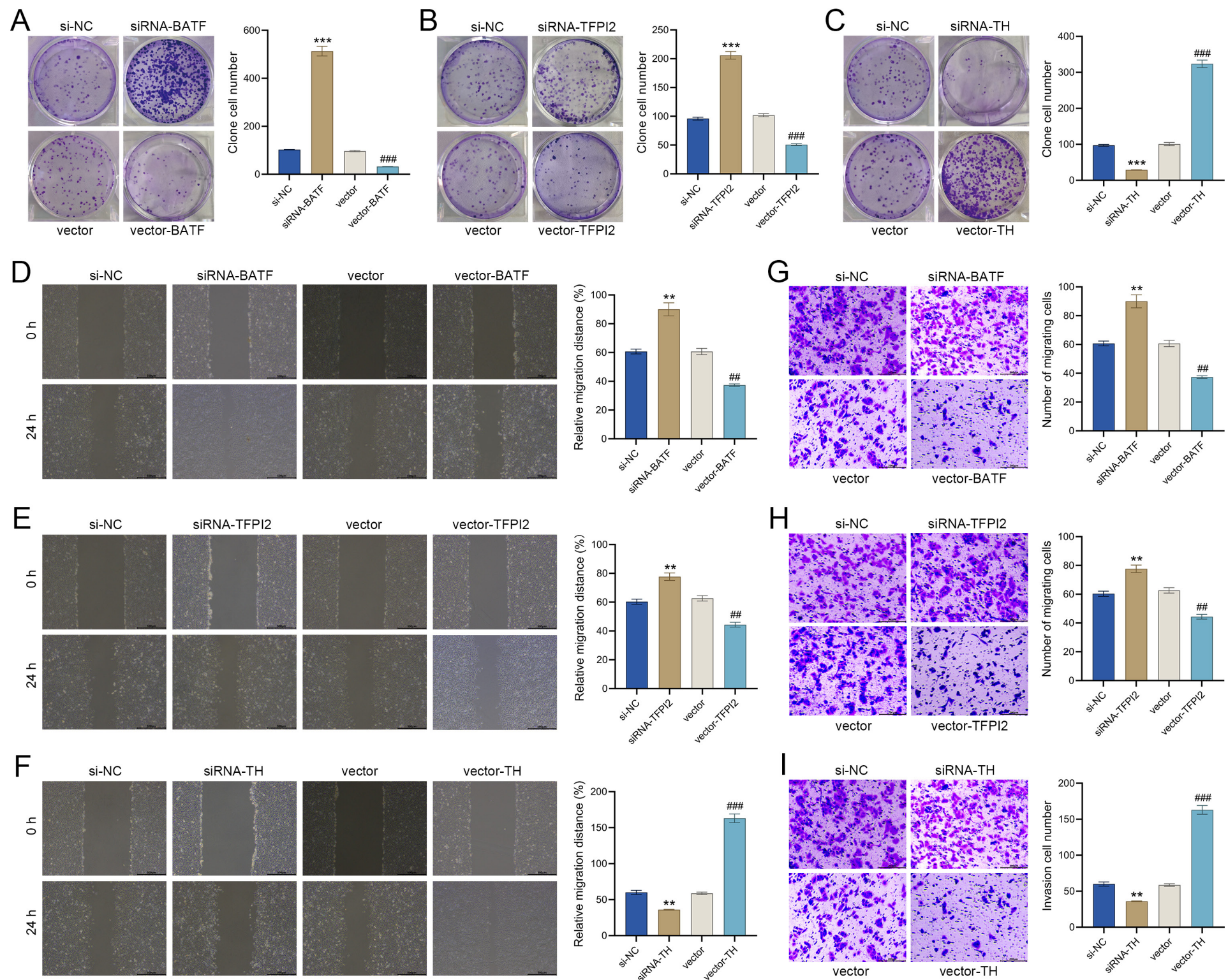


Figure S2 Functional validation of BATE, TFPI2 and TH in BRCA cells. (A-C) Effect of BATF (A), TFPI2 (B) and TH (C) on cell proliferation was tested by colony formation assay. (D-F) Effect of BATF (D), TFPI2 (E) and TH (F) on cell migration was tested by scratch assay; scale bar = 500 μ m. (G-I) Effect of BATF (G), TFPI2 (H) and TH (I) on cell migration was tested by Transwell assay in MDA-MB-231 cells; scale bar = 200 μ m. ** $P < 0.01$, *** $P < 0.001$ compared with the si-NC, ## $P < 0.01$, ### $P < 0.001$ compared with the vector.