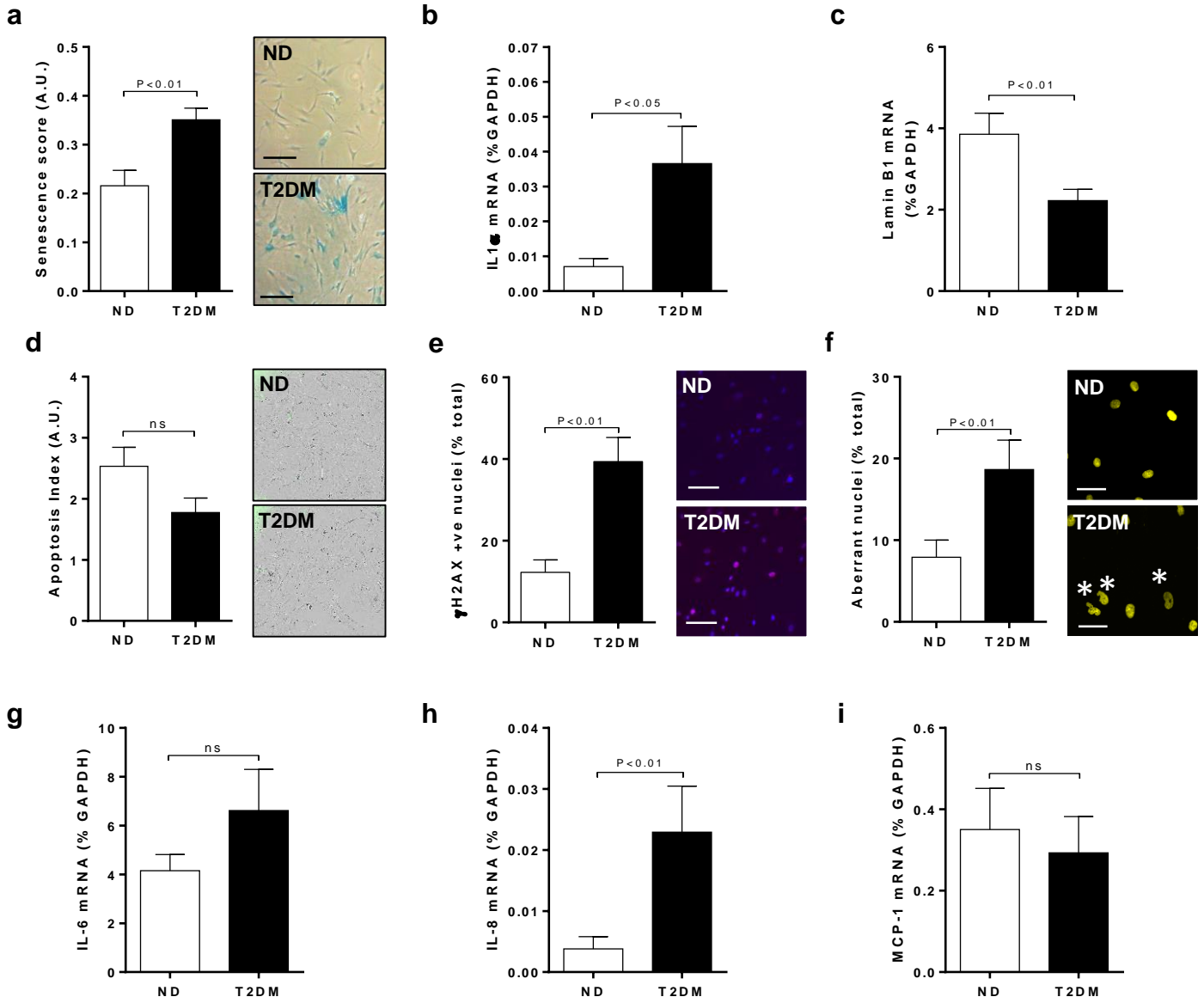
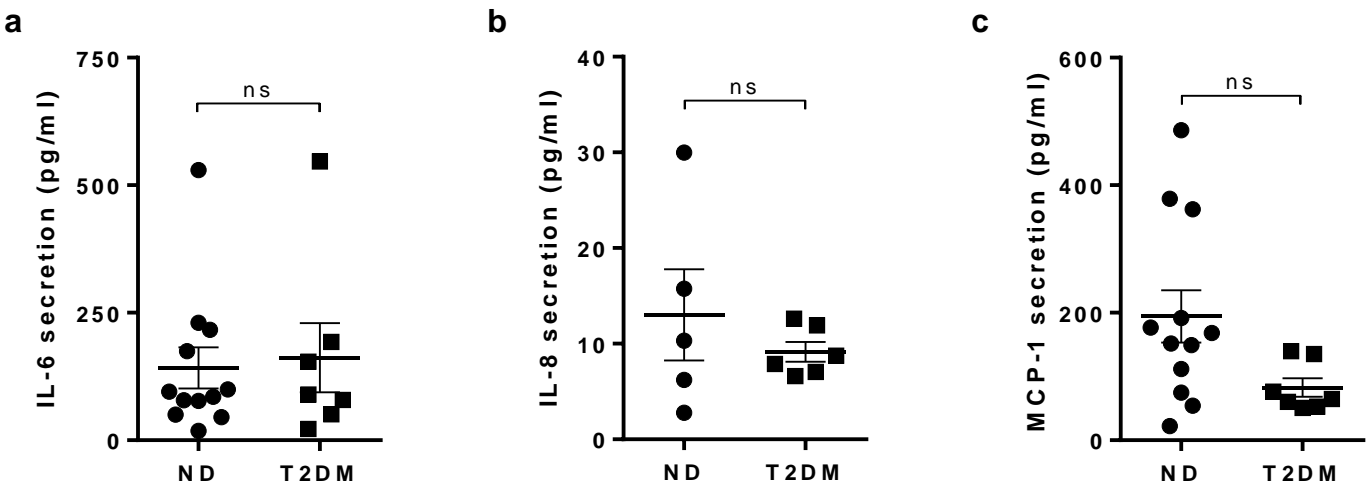


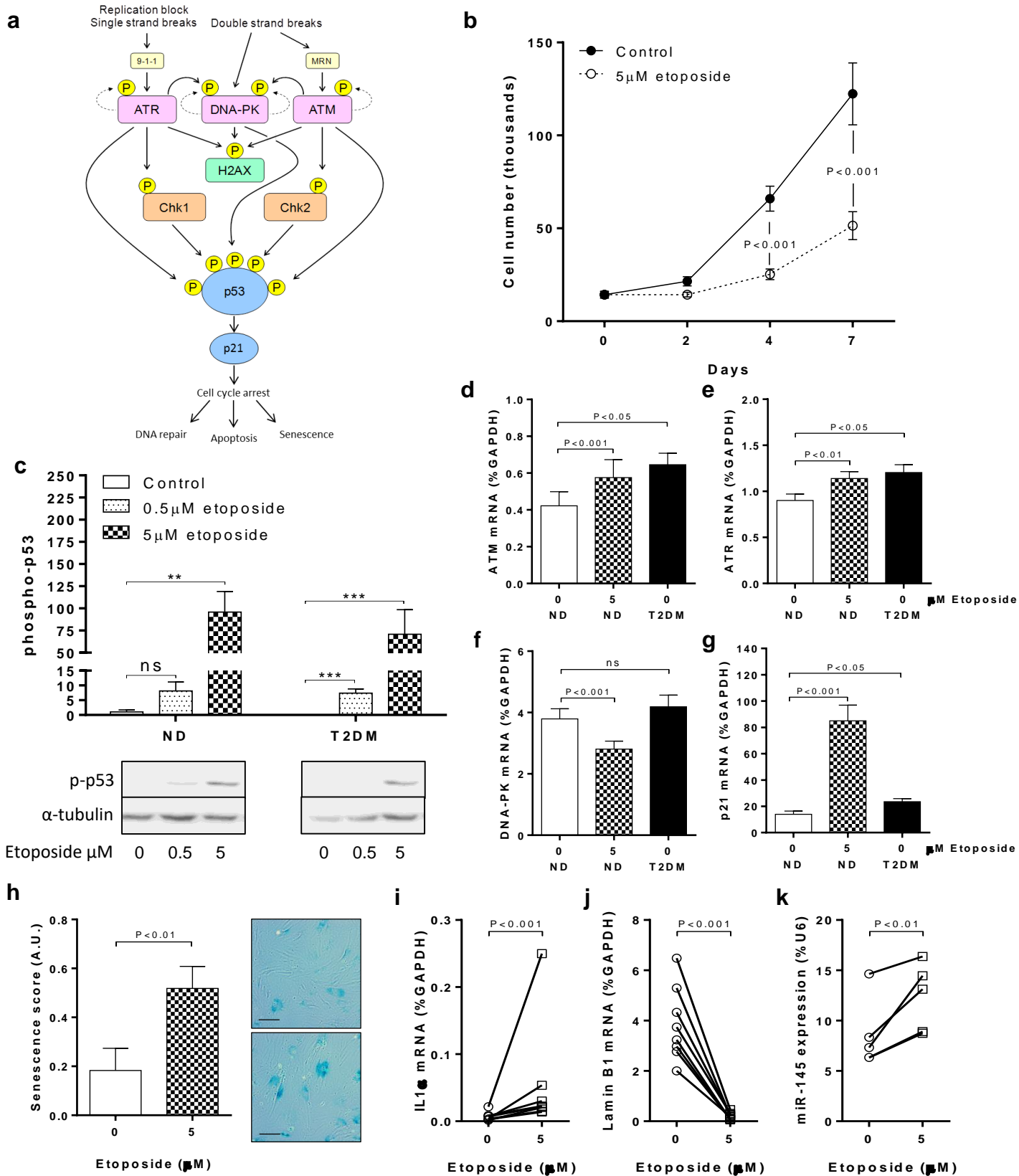
FIGURE 1



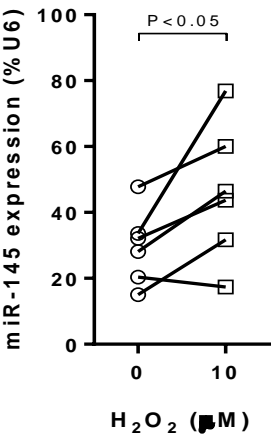
SUPPLEMENTARY FIGURE 1



Supplementary Figure 1: Secretion of senescence-associated inflammatory cytokines. Cells were cultured in serum free media for 72 h, and the basal secretion of senescence-associated inflammatory cytokines quantified. (A) IL-6, (B) IL-8 and (C) MCP-1 were measured using ELISA (all n=5-12).

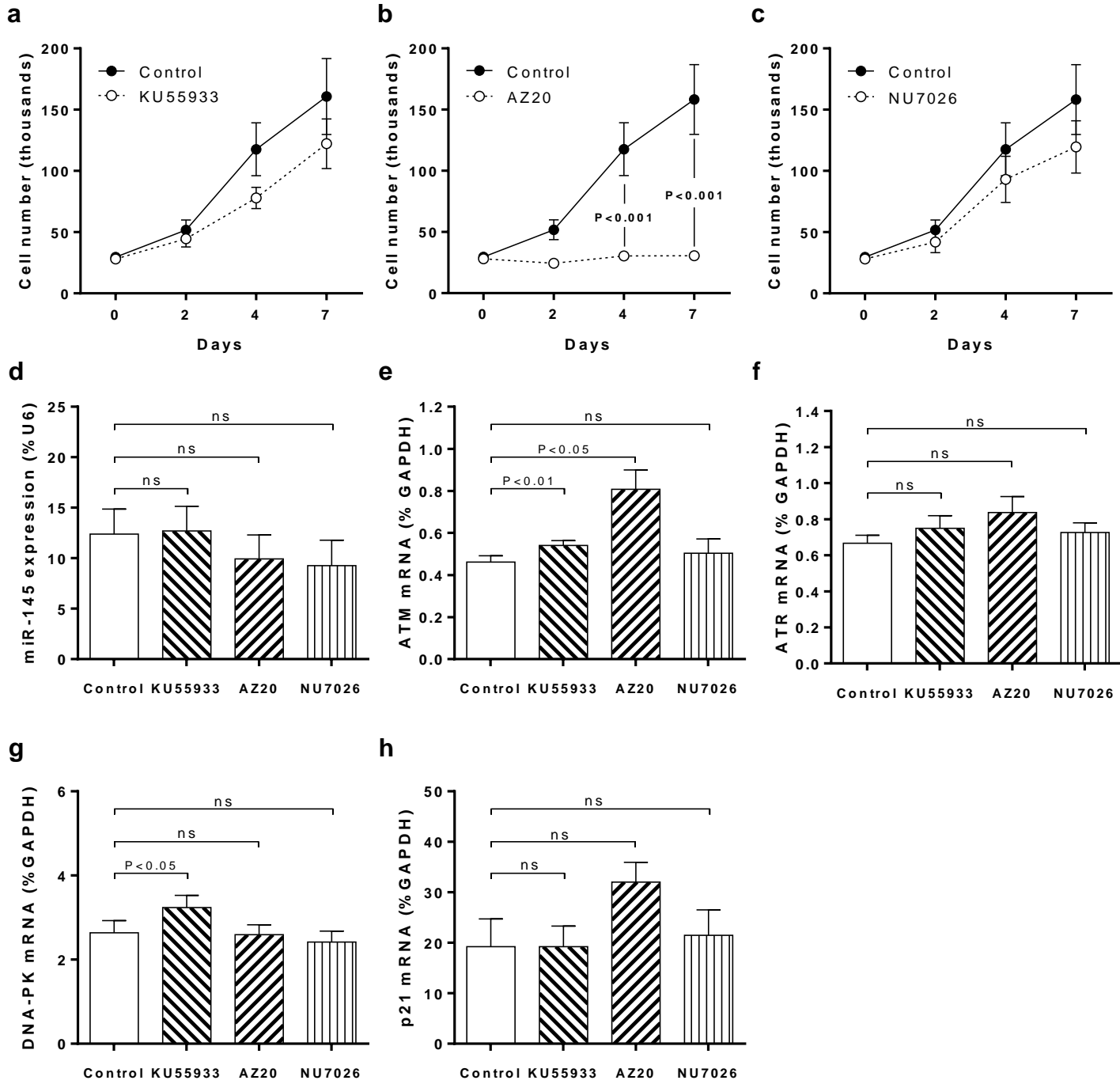
FIGURE 2

SUPPLEMENTARY FIGURE 2

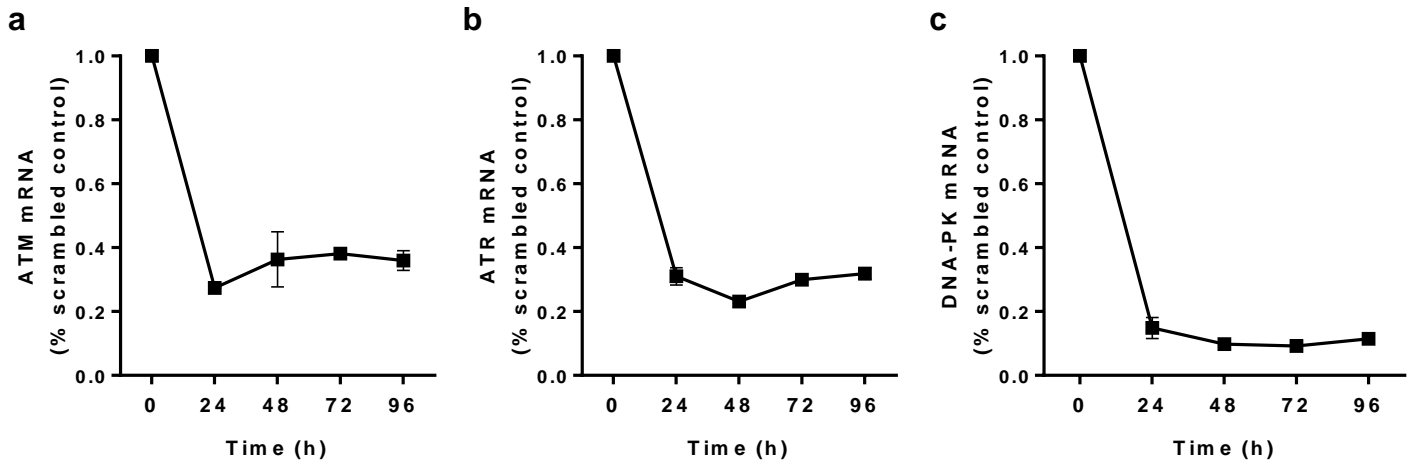


Supplementary Figure 2: Stimulation of miR-145 by oxidative stress. Cells were cultured in serum free media supplemented with 10 μM H₂O₂ for 6 h, and the expression of miR-145 quantified using RT-PCR (n=5).

FIGURE 3

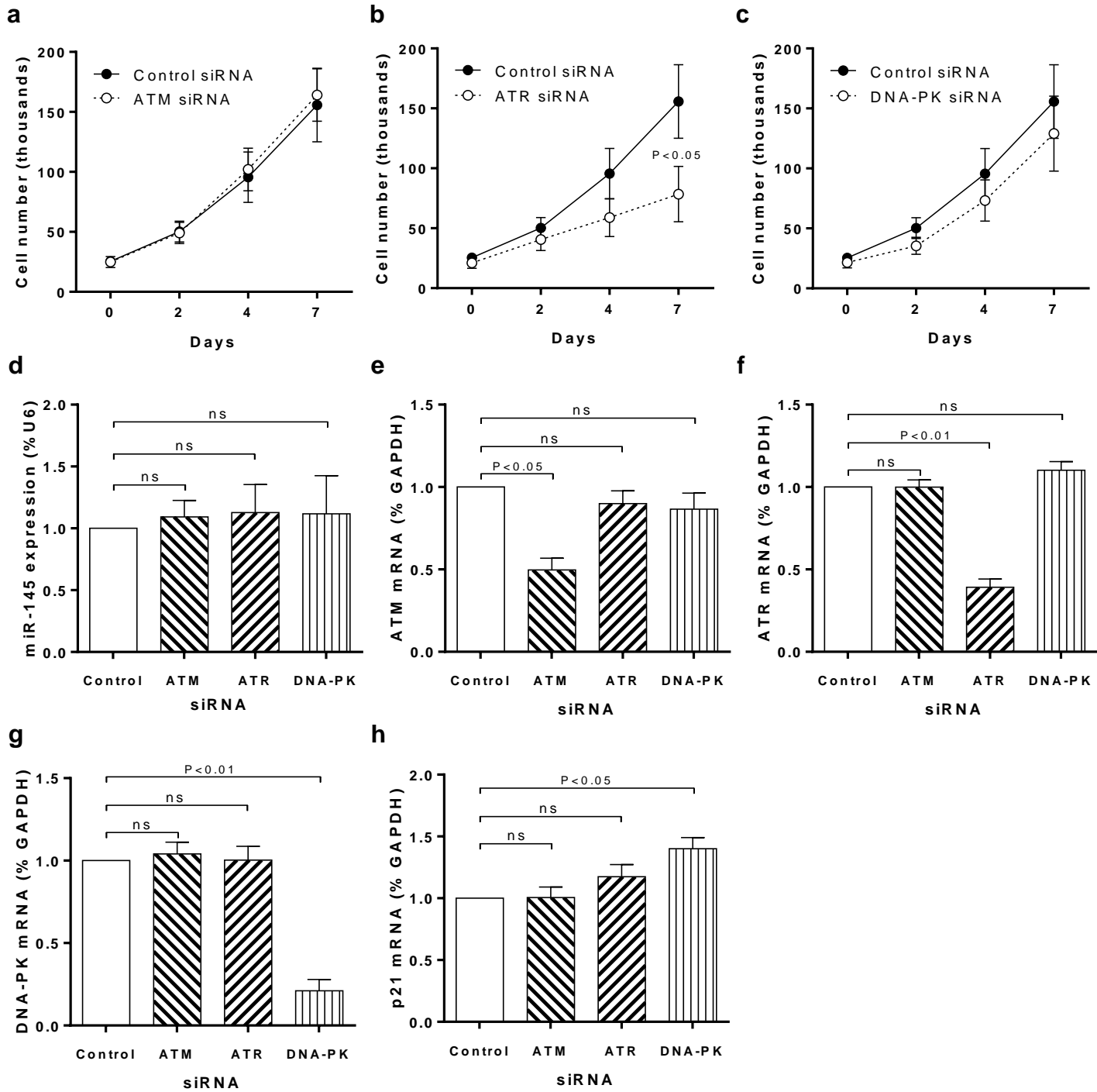


SUPPLEMENTARY FIGURE 3

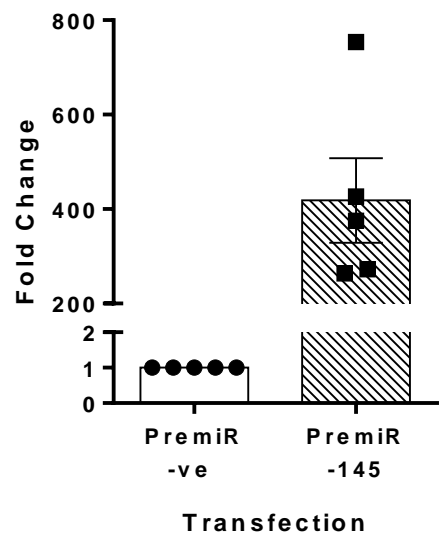


Supplementary Figure 3: siRNA knockdown of ATM, ATR and DNA-PK has a prolonged inhibition on mRNA levels. Cells were transfected with 20nM siRNA for 6 hours. RNA was harvested at 24, 48, 72 and 96 h to confirm levels of knockdown for (A) ATM, (B) ATR and (C) DNA-PK (all n=2).

FIGURE 4



SUPPLEMENTARY FIGURE 4



Supplementary Figure 4: PremiR-145 induces expression of miR-145. Cells were transfected with 15 nM siRNA for 6 hours. RNA was harvested at 48 h to confirm induction of miR-145 (n=5).

FIGURE 5

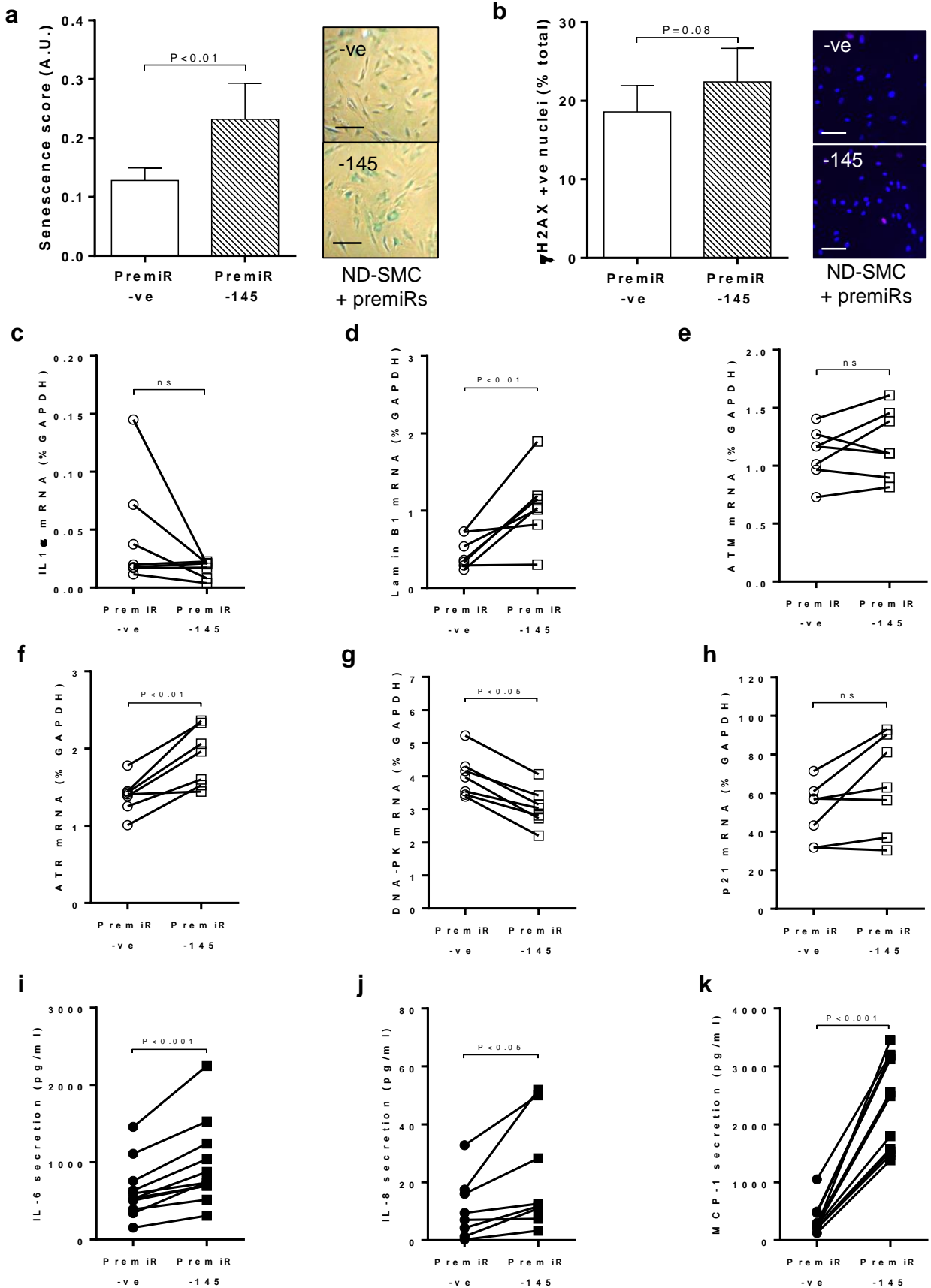


FIGURE 6

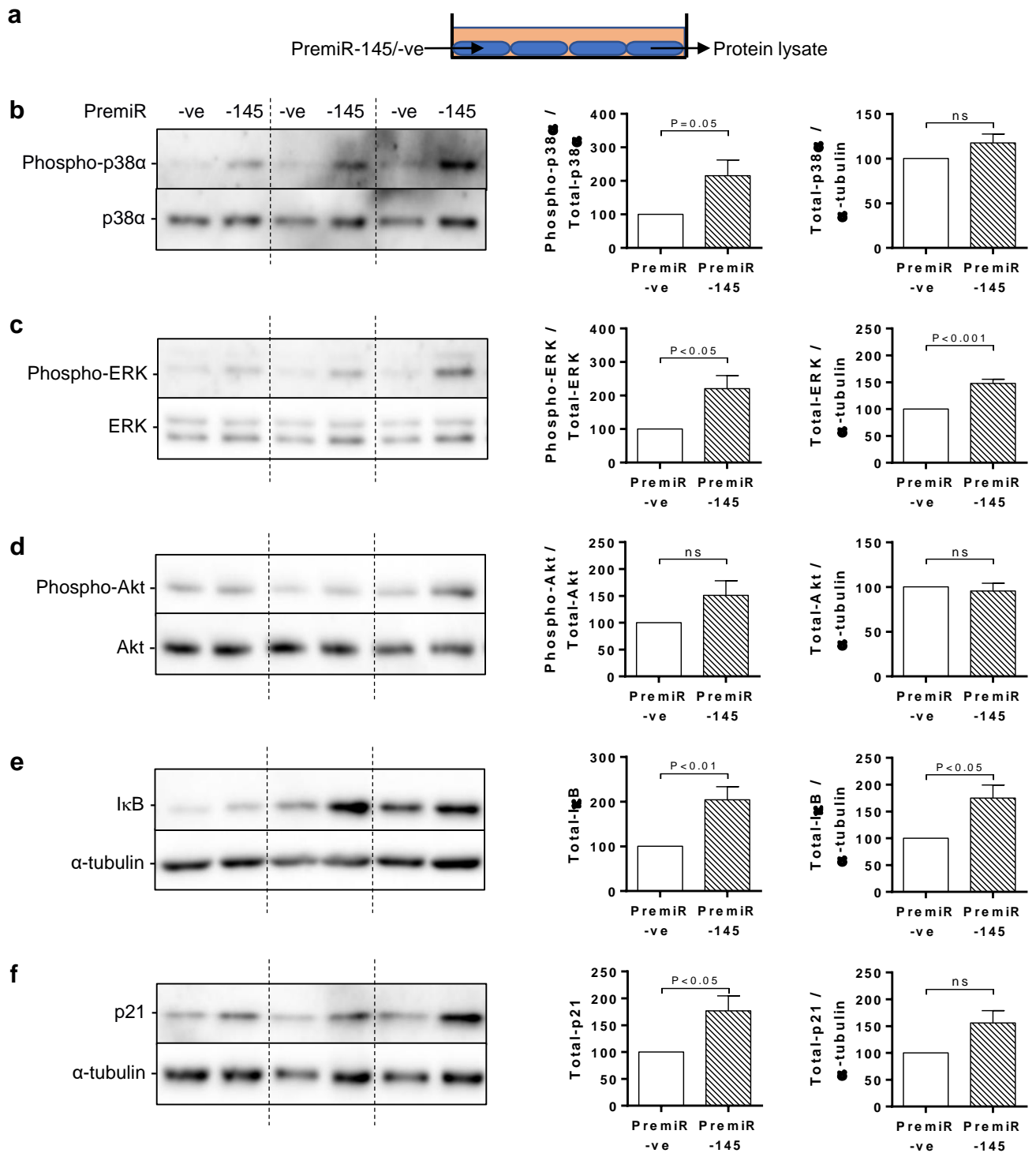


FIGURE 7

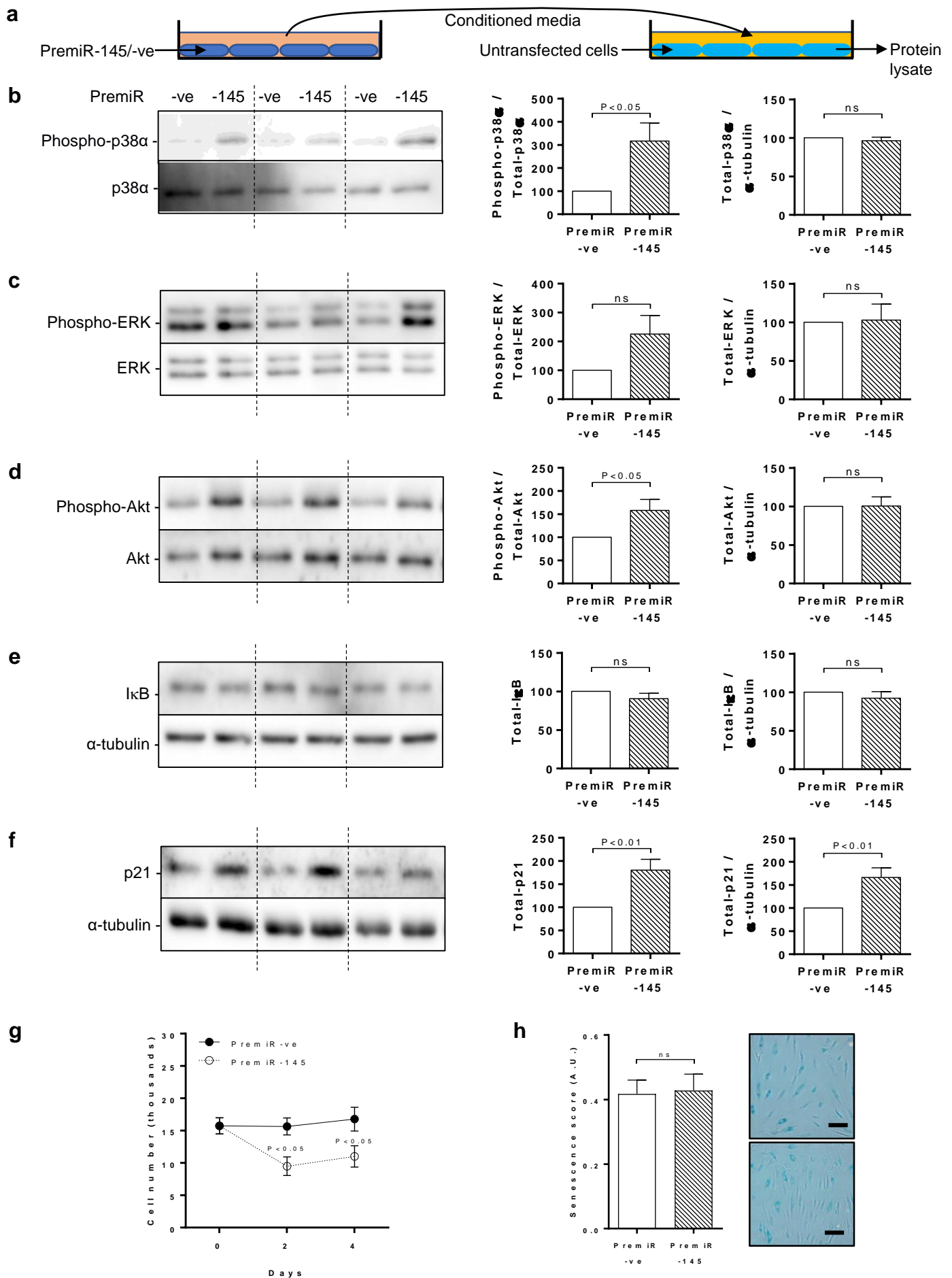


FIGURE 8

