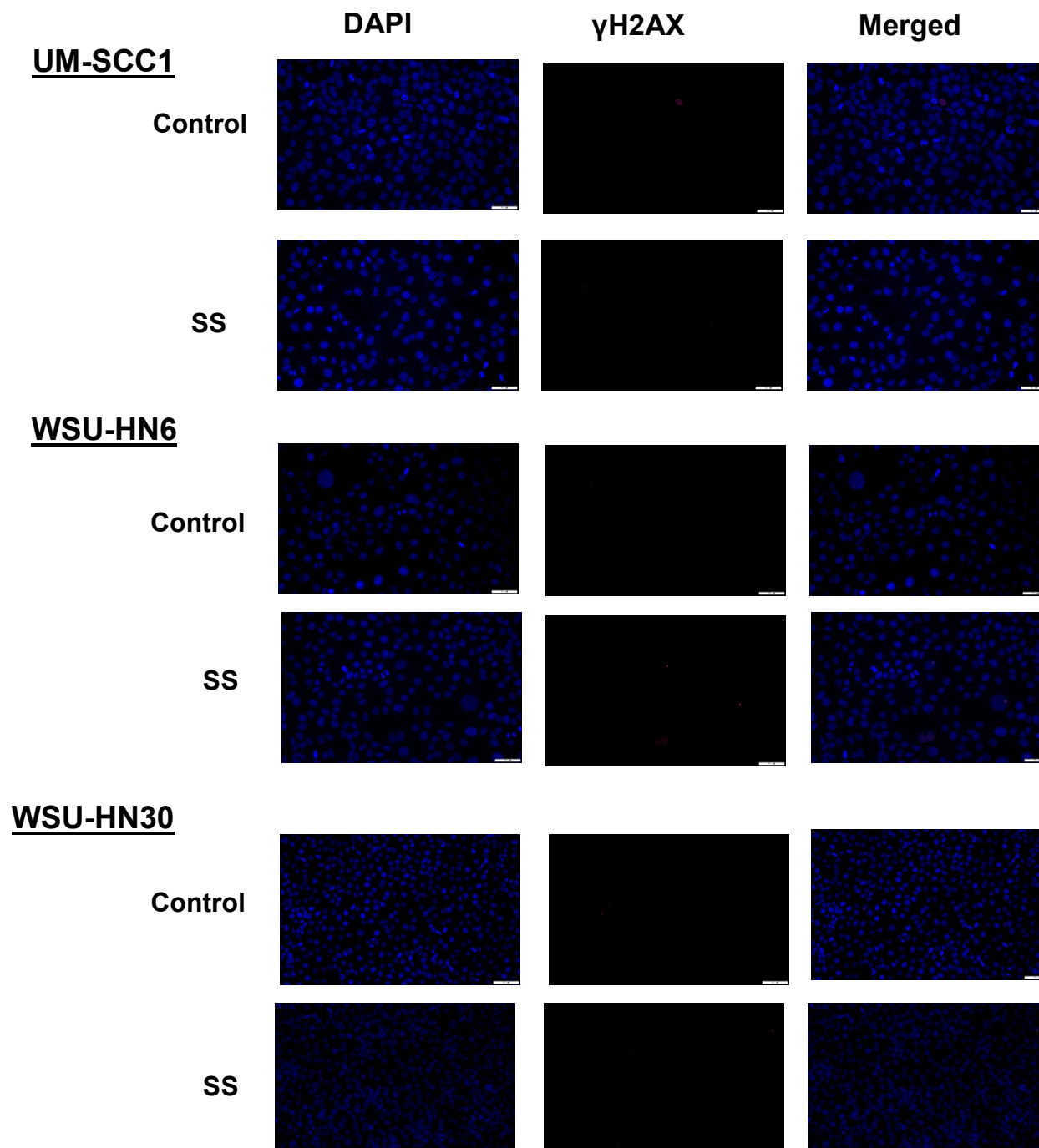
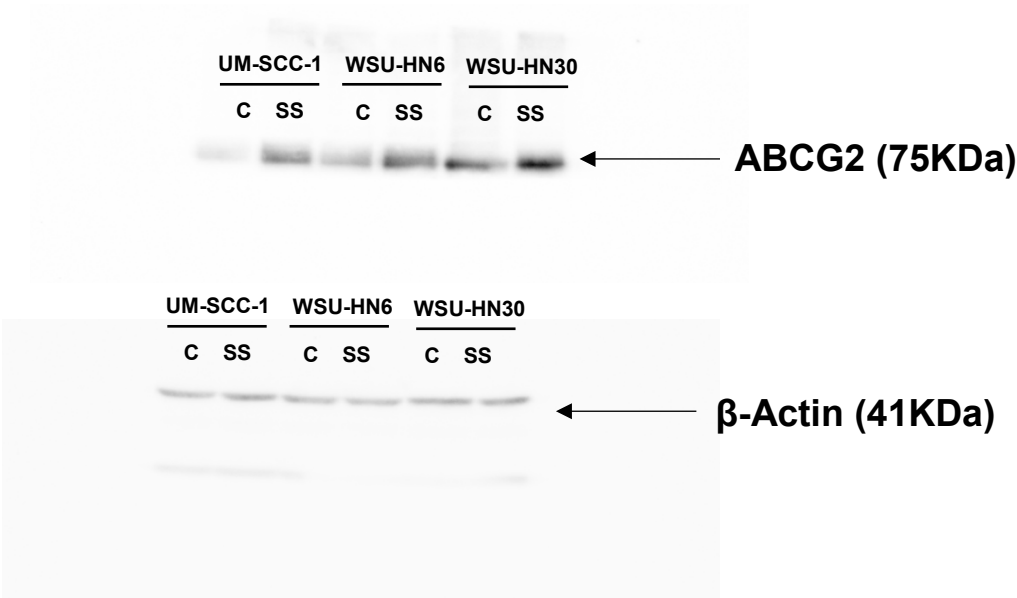


**Figure S1.** SS smoke extract exposure during cisplatin treatment for 24 hours increases cancer clonogenic survival. Indefinite reproductive viability of the cisplatin surviving cells was measured by counting the number of cell-forming colonies after 24 hours of treatment with cisplatin (2.5  $\mu$ M) in the presence or absence of SS smoke extract. Data show that the presence of SS smoke extract significantly increases colony formation in all cell lines. Data shown as mean  $\pm$  SD. \*\* $p < 0.01$ , \*\*\* $p < 0.001$ .

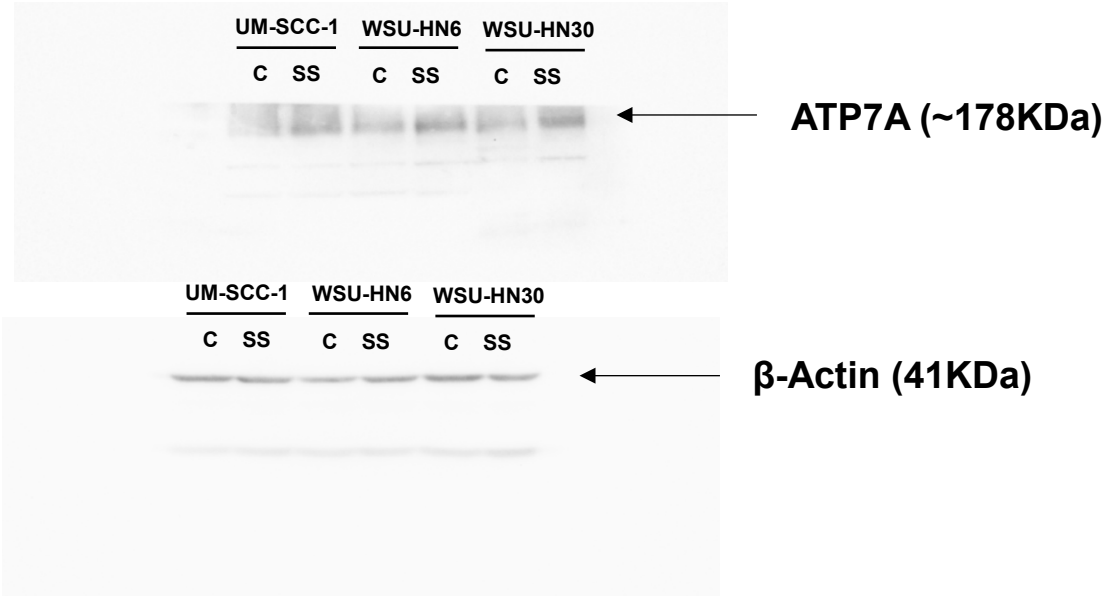


**Figure S2.** Images of  $\gamma$ H2AX staining at 96 hours for all three cell lines. UM-SCC-1, WSU-HN6, and WSU-HN30 cells were exposed to SS smoke extract for 96 h. Double-strand breaks were quantified using  $\gamma$ H2AX antibodies (bright, far-red, fluorescent dye) and DNA labelled with DAPI (blue). No difference was observed between SS-smoke-extract-only-exposed cells and unexposed control cells. The scale bar is 50 $\mu$ m.

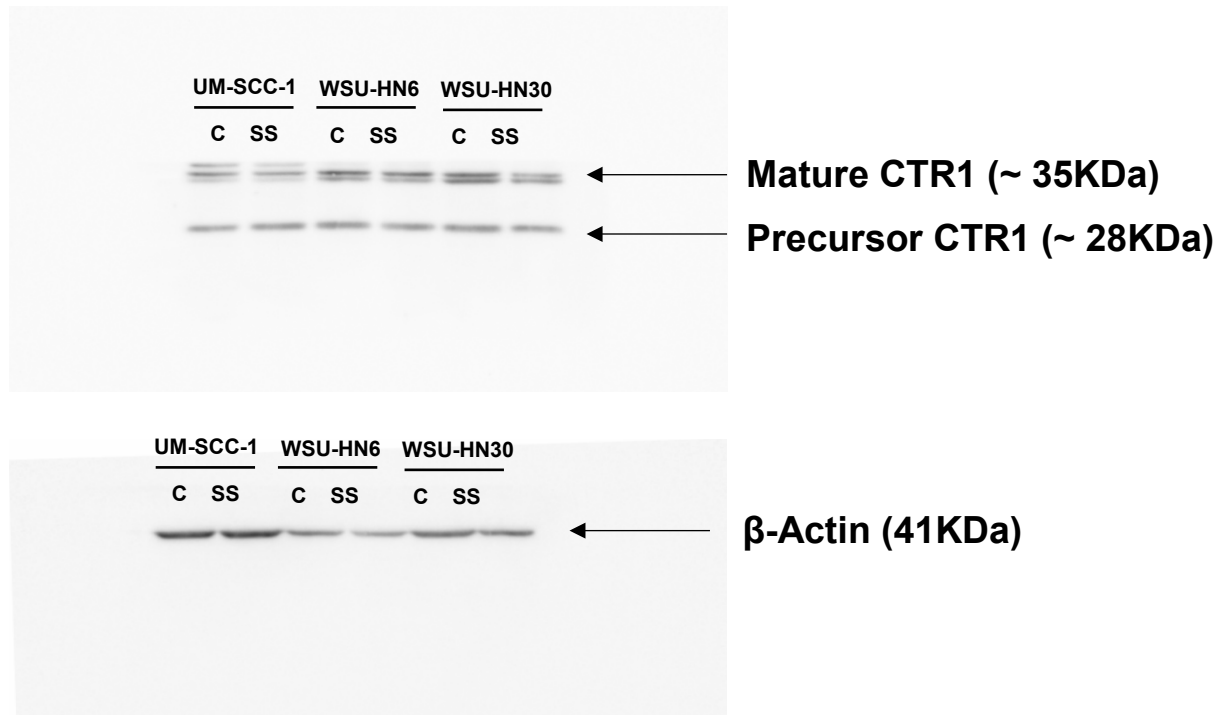
**ABCG2 protein expression in HNSCC cells**



**ATP7A protein expression in HNSCC cells**



## CTR1 protein expression in HNSCC cells



Original Western blots images for Figure 9. **Abbreviations:** SS- Side stream smoke extract; C- Control cells not-exposed to SS smoke extract.

	Manufacturer	Catalog #
<b>Primary antibody</b>		
anti-ABCG2	Cell Signaling Technology, Massachusetts, USA	42078
anti-ATP7A	Santa Cruz Biotechnologies, Texas, USA	sc-376467
anti-CTR1	Abcam, Massachusetts, USA	ab129067
β-actin	Cell Signaling Technology, Massachusetts, USA	8457
anti-Ki67	Cell Signaling Technology, Massachusetts, USA	9449S
anti-γH2AX	Sigma-Aldrich, Massachusetts, USA	05-636
<b>Secondary antibody</b>		
rabbit anti-mouse IgG	Abcam, Massachusetts, USA	ab6728
goat anti-Rabbit IgG	Cell Signaling Technology, Massachusetts, USA	7074
Goat anti-mouse IgG (Alexa Fluor@647)	Abcam, Massachusetts, USA	ab150119

**Table S1.** Antibodies used for Western blot and Immunofluorescence analysis.

Gene	Forward Primer	Reverse Primer
<i>β-actin</i>	5'-GTCATCACCATTGGCAATGAG-3'	5'-ATGTCCACGTCACACTTCATG-3'
<i>ATP7A</i>	5'-GCAGAGCCTCTATAAACTCAC-3'	5'-GTGTCATCATCTTCCCTGAAG-3'
<i>CTR1</i>	5'-CTCATCTTCATGACCTACAACG-3'	5'-GATGTCAATGGCAATGCTCTG-3'
<i>ABCG2</i>	5'-TGTGGCATTAAACAGAGAAGAAGAC-3'	5'-TCACCCCCGGAAAGTTGATG-3'
<i>ERCC1</i>	5' -GGCGACGTAATTCCCGACT-3'	5' -TAGCGGAGGCTGAGGAACA-3'
<i>XPA</i>	5'-GCAGCCCCAAAGATAATTGA-3'	5'-TGGCAAATCAAAGTGGTTCA-3'
<i>MMS19</i>	5'-GTCAGCAGGACCCTGAGAGTTC-3'	5'-CTCAGAACTGAGGGCTCCTTC-3'

**Table S2.** Primers used for mRNA expression analysis.