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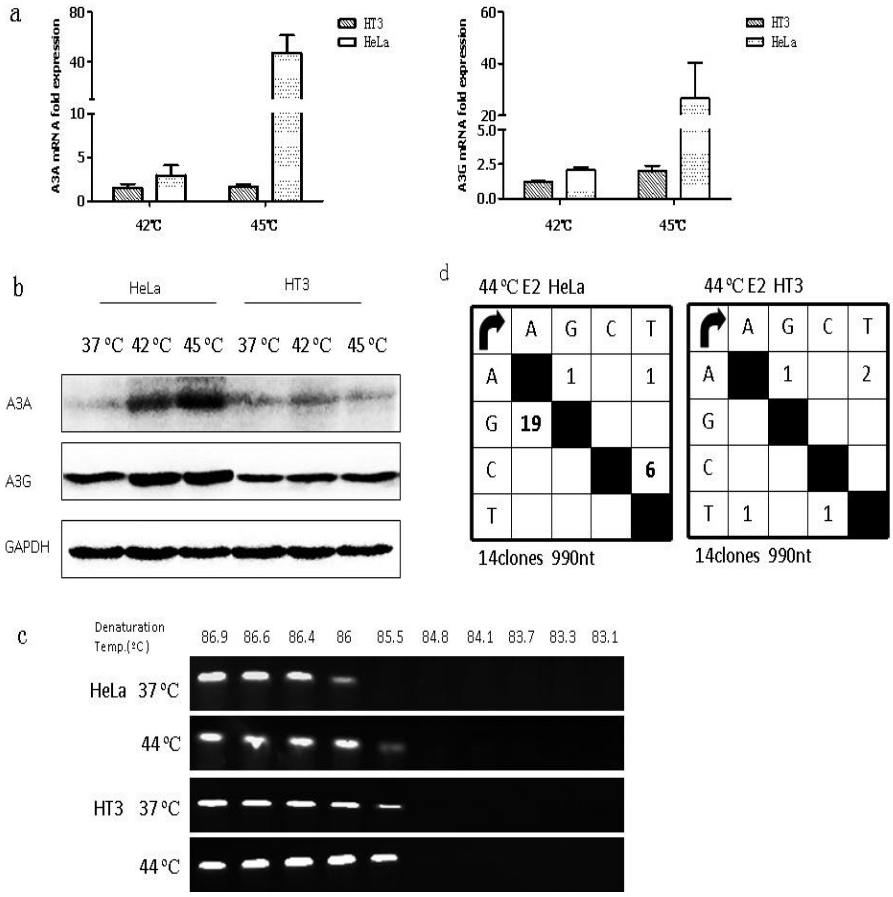
## SUPPLEMENTAL FIGURES LEGENDS

**Figure S1 Cervical cancer cells exposure to different temperatures affected APOBEC3A (A3A) and A3G expression (a, b)** A3A and A3G mRNA and protein levels were measured by real-time PCR and western blot at 42 ºC and 45 ºC in HeLa and HT3 cells. **(c)** 3D-PCR assay was performed to analyze the amplification products at a lower denaturation temperature in HeLa and HT3 cells subjected to hyperthermia. **(d)** The number of mutations for the edited HPV E2 genomes was presented below the matrix.



**Supplementary Table S1.** Clinical charateristics of the patients with condyloma acuminate

| | Gender | Age | Number of warts | HPVsubtype |
|---|---|---|---|---|
| P1 | Female | 65 | 7 | HPV11 |
| P2 | Male | 23 | 8 | HPV6 |
| P3 | Female | 16 | 6 | HPV6/11/31 |
| P4 | Female | 45 | 5 | HPV6 |
| P5 | Female | 52 | 9 | HPV6/11 |
| P6 | Male | 72 | extensive giant lesions | HPV6/11/16/18 |

**Supplementary Table S2. Primer sequences of APOBEC3A/3G siRNA.**

| Name | Sense (5'->3') | Antisense (5'->3') |
|---|---|---|
| A3A-siRNA1 | UGACCUACGAUGAAUUUAAtt | UUAAAUUCAUCGUAGGUCAtg |
| A3A-siRNA2 | GGCUUCAUAUCUAGACUAAtt | UUAGUCUAGAUAUGAAGCCaa |
| A3G-siRNA1 | CAACCAGGCUCCACAUAAAtt | UUUAUGUGGAGCCUGGUUGca |
| A3G-siRNA2 | GGAAUAAUCUGCCUAAAUAtt | UAUUUAGGCAGAUUAUUCCaa |