

Table S1. Primer sequences and PCR conditions used in this study

Name	Primers (5'-3')	Amplification conditions	Amplicon (pb)
β -globin (PCO3/PCO4)	Forward: ACACAACTGTGTTCACTAGC Reverse: CAACTTCATCCACGTTACCC	Initial denaturation at 95°C for 5 min followed by 40 cycles of denaturation at 95 °C for 30 s, annealing at 52°C for 30 s and primer extension at 72°C for 30 s, with a final extension at 72°C for 5 min.	115
HPV (GP5+/GP6+)	Forward: TTTGTTACTGTGGTAGATATCAC Reverse: GAAAAATAAACTGTAAATCATATTC	Initial denaturation at 95°C for 5 min, followed by 45 cycles consisting of denaturation at 95 °C for 1 min, annealing at 50°C for 2 min and extension at 72°C for 1.5 min, with a final extension for 5 min at 72°C.	155
BNRF1 (EBV)	Forward: CCTGGTCATCCTTTGCCA Reverse: TGCTTCGTTATAGCCGTAGT	Initial denaturation at 95°C for 2 min followed by 40 cycles of denaturation at 95°C for 15 s, annealing at 60°C for 15 s and primer extension at 72°C for 30 s, with a final extension at 72°C for 2 min.	95
BARF1 (EBV)	Forward: CTTTCTTGGGTGAGCGAGTC Reverse: CCAATAAGCACCTGCTCCTC	Initial denaturation at 94°C for 5 min followed by 33 cycles of denaturation at 95°C for 45 s, annealing at 56°C for 40 s and extension at 72°C for 45 s, with a final extension for 5 min at 72°C.	115
E6 small (HPV)	Forward: CTGCAAGCAACAGTTACTGCGA Reverse: TCACACACTGCATATGGATTCCC		
β -actin	Forward: CCACACAGGGGAGGTGATAG Reverse: GGGCACGAAGGCTCATT		