

Supplementary Table S1. Primers used to clone overlapping DNA fragments of HPV102 and HPV106

Fragment No.	Insert Size (with position)	Primer sequence (primer direction and name)
HPV102		
1	4007 bp (6226–2154)	5'-GTGGTGTAGAGGTGGGTCGT-3' (outer forward, Fr1.Fout) 5'-TCCTGGCACGCATCTAAACG-3' (outer reverse, Fr1.Rout) 5'-CCGATAGACGGGACAATGTT-3' (inner forward, Fr1.Fin) 5'-CTCATACAAAACAATGATTTCCCTGT-3' (inner reverse, Fr1.Rin)
2	4453 bp (1813–6265)	5'-GGGGAAACACCAGAATGGAT-3' (outer forward, Fr2.Fout) 5'-AGGACACTCCAGGTGCAAAC-3' (outer reverse, Fr2.Rout) 5'-ATGGTGCAGTGGGCATATGAT-3' (inner forward, Fr2.Fin) 5'-TTCCCAATAGGGGGTTTAC-3' (inner reverse, Fr2.Rin)
HPV106		
1	3980 bp (7009–2953)	5'-CGAGGTTATGGCCTACCTACA-3' (outer forward, Fr1.Fout) 5'-CCTCGCCATCAAACCTTAACG-3' (outer reverse, Fr1.Rout) 5'-ACTGGAATTTTGGGTCGTTG-3' (inner forward, Fr1.Fin) 5'-TCCAGCATTGCTTAGGCTCT-3' (inner reverse, Fr1.Rin)
2	4006 bp (2808–6813)	5'-TTATGCACTGGGGACTTGTG-3' (outer forward, Fr2.Fout) 5'-GGCGCAGGTATTCCTTAAAA-3' (outer reverse, Fr2.Rout) 5'-CGGGAATGTTGCACCTAAAC-3' (inner forward, Fr2.Fin) 5'-TGCGTGGCACAAATAGTCAT-3' (inner reverse, Fr2.Rin)
3	412 bp (6756–7167)	5'-GCACAGGGCCGAAACAATGG-3' (forward, Fr3.F) 5'-CTACCCAAGGGAAACTGGTC-3' (reverse, Fr3.R)