Supplemental Materials

Table S1. Primers used for the study

Primer name	HPV18 genome position	Orientation	Sequence
Primers used for PCR, RT-PCR and primer walking			
oZMZ252, Pr121	nt 121-140	Forward	5'- ATCCAACACGGCGACCCTAC-3'
oXHW46, Pr822	nt 822-840	Forward	5'- GCTCAGCAGACGACCTTCG-3'
oXHW91, Pr3437	nt 3437-3456	Forward	5'- CAGTGACGACACGGTATCCG-3'
oXHW45, Pr3599	nt 3599-3619	Forward	5'- ACCTGTCAACCCACTTCTCGG-3'
oXHW47, Pr5487	nt 5487-5505	Forward	5'- CCATTGTATCACCCACGGC-3'
oXHW98, Pr5777	nt 5777-5799	Forward	5'- TGGTGGCAATAAGCAGGATATTC-3'
oZMZ253, Pr850	nt 850-833	Backward	5'- CTGGAATGCTCGAAGGTC-3'
oZMZ229, Pr967	nt 967-948*	Backward	5'- CTGAGTCGAC/AAACCAGCCGTTACAACCCG-3'
oXHW38, Pr3517	nt 3517-3500	Backward	5'- ACGGACACGGTGCTGGAA-3'
oXHW42, Pr3619	nt 3619-3599	Backward	5'- CCGAGAAGTGGGTTGACAGGT-3'
oXHW43, Pr5504	nt 5504-5486	Backward	5'- CCGTGGGTGATACAATGGG-3'
oXHW64, Pr5628	nt 5628-5611	Backward	5'- GCCGCCACAAAGCCATCT-3'
oXHW44, Pr5793	nt 5793-5773	Backward	5'- CCTGCTTATTGCCACCACCTG-3'
oXHW48, Pr5935	nt 5935-5915	Backward	5'- CTGTGCTGGAGTGGAAATTGG-3'
oXHW99, Pr5935	nt 5935-5915*	Backward	5'- TAATACGACTCACTATAGGGA/CCAATTTCCACTCCAGCACAG-3'
Primers used for 5' and 3' RACE			
oXHW90, Pr3976	nt 3976-3996	Forward	5'- TGTATGTGTGCTGCCATGTCC-3'
oXHW97, Pr7038	nt 7038-7056	Forward	5'- CGTCGCAAGCCCACCATAG-3'
oXHW86, Pr233	nt 233-209	Backward	5'- CTCTGTAAGTTCCAATACTGTCTTG-3'
oZMZ253, Pr850	nt 850-833	Backward	5'- CTGGAATGCTCGAAGGTC-3'
oZMZ433, Pr904	nt 904-886*	Backward	5'- CACTGAGGTAC/CTGCTGGGATGCACACCAC-3'
oXHW38, Pr3517	nt 3517-3500	Backward	5'- ACGGACACGGTGCTGGAA-3'
oXHW44, Pr5793	nt 5793-5773	Backward	5'- CCTGCTTATTGCCACCACCTG-3'

* Oligo sequence is attached by a Sal I (oZMZ229), Asp718 (oZMZ433), or T7 (oXHW99) sequence.

FIG. S1. HPV18 L1 initiates its translation at nt 5613 AUG in the HPV18 genome and is smaller by 61-aa residues from the N-terminus of the published hypothetic protein translated from the nt 5430 AUG (15). The authentic HPV18 L1 composes of 507 amino acid residues. Arrow with nt 5613 indicates the first methionine encoded by an AUG codon at the nt 5613 acceptor site of L1 transcript.