

Table 1. HPV 16 E6 variants and their lineage identified in 80 patients with cervical cancer and low-grade squamous intraepithelial lesions.

Capital letters indicate variants with an amino acid change, while small letters indicate silent mutation; in the bottom of table amino acid changes are marked; N* - total cases; LSIL - low-grade squamous intraepithelial lesions; ICC – invasive cervical cancer; AA - amino acid.

			109	122	137	145	153	176	188	256	286	289	295	335	350					
Nucleotide position HPV16 prototype			T	G	T	G	C	G	G	C	T	A	T	C	T					
Lineage	Sublineage	Class/subclass														N*=80	LSIL=4 0	ICC=4 0		
A	EUR-p	EUR-350T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	13	13	
		EUR-350T/137G	-	-	G	-	-	-	-	-	-	-	-	-	-	-	-	2	2	0
		EUR-350T/109C	c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0
	EUR-350G	EUR-350G	-	-	-	-	-	-	-	-	-	-	-	-	-	G	24	8	16	
		EUR-350G/109C	c	-	-	-	-	-	-	-	-	-	-	-	-	G	12	9	3	
		EUR-350G/122A	-	A	-	-	-	-	-	-	-	-	-	-	-	G	2	2	0	
		EUR-350G/153T	-	-	-	-	T	-	-	-	-	-	-	-	-	G	1	1	0	
		EUR-350G/176A	-	-	-	-	-	A	-	-	-	-	-	-	-	G	1	0	1	
		EUR-350G/188A	-	-	-	-	-	-	A	-	-	-	-	-	-	G	1	0	1	
		EUR-350G/256T	-	-	-	-	-	-	-	-	t	-	-	-	-	G	4	4	0	
		EUR-350G/295G	-	-	-	-	-	-	-	-	-	-	-	G	-	G	3	0	3	
D	NA1		-	-	-	T	-	-	-	-	a	g	-	T	G	3	0	3		
Codon position				7	12	14	17	25	29					64	78	83				
Reference AA				E	L	Q	T	D	E					D	H	L				
Mutated AA				K	V	H	I	N	K					E	Y	V				