

**Supplementary Table S1.**

Distribution of HPV genotypes in each sample. C: cytology, (means PAP smear); H: histology, (means FFPE sample) of the same patient. High-risk genotypes are highlighted in red colour, low-risk genotypes are in green colour. The „o” sign indicates the cytology for easy distinction.

		HPV GENOTYPES																																			
		6	11	16	18	26	31	33	35	39	40	42	43	44/55	45	51	52	53	54	56	58	59	61	62/81	66	67	68	69	70	71	72	73	82	84			
CASES	1	C																																			
		H																																			
	2	C																																			
		H																																			
	3	C																																			
		H																																			
	4	C																																			
		H																																			
	5	C																																			
		H																																			
	6	C																																			
		H																																			
	7	C																																			
		H																																			
	8	C																																			
		H																																			
	9	C																																			
		H																																			
	10	C																																			
		H																																			
	11	C																																			
		H																																			
	12	C																																			
		H																																			
	13	C																																			
		H																																			
	14	C																																			
		H																																			
	15	C																																			
		H																																			
	16	C																																			
		H																																			
	17	C																																			
		H																																			
	18	C																																			
		H																																			
	19	C																																			
		H																																			
	20	C																																			
		H																																			
	21	C																																			
		H																																			
	22	C																																			
		H																																			
	23	C																																			
		H																																			
	24	C																																			
		H																																			
	25	C																																			
	H																																				
26	C																																				
	H																																				
27	C																																				
	H																					</															

Supplementary Table S2.

Numbers of agreements and kappa values between PAP smears and FFPE cone samples in the cases of vaccinated and non-vaccinated virus types. n.a.: kappa value is not applicable.

	Vaccinated type of HPV					Non-vaccinated type of HPV				
	PAP / FFPE				Kappa	PAP / FFPE				Kappa
case	+/+	+/-	-/+	-/-		+/+	+/-	-/+	-/-	
1	1	2	0	4	0.364	0	1	0	25	n.a.
2	1	2	0	4	0.364	0	0	0	26	n.a.
3	2	0	0	5	1.000	0	0	0	26	n.a.
4	0	1	0	6	n.a.	1	5	0	20	0.235
5	2	0	0	5	1.000	1	1	1	23	0.458
6	2	0	0	5	1.000	0	3	1	22	-0.061
7	1	0	0	6	1.000	1	0	0	25	1.000
8	1	2	0	4	0.364	0	0	0	26	n.a.
9	1	0	0	6	1.000	0	1	0	25	n.a.
10	3	0	0	4	1.000	0	0	0	26	n.a.
11	1	0	0	6	1.000	0	0	0	26	n.a.
12	1	0	0	6	1.000	1	0	0	25	1.000
13	0	1	0	6	n.a.	2	0	0	24	1.000
14	0	3	0	4	n.a.	3	3	0	20	0.606
15	1	1	0	5	0.588	2	1	0	23	0.780
16	1	0	0	6	1.000	0	0	0	26	n.a.
17	1	0	1	5	0.588	0	1	0	25	n.a.
18	1	0	0	6	1.000	0	0	0	26	n.a.
19	1	0	0	6	1.000	1	1	0	24	0.649
20	1	1	0	5	0.588	0	1	0	25	n.a.
21	1	0	0	6	1.000	0	3	0	23	n.a.
22	1	0	0	6	1.000	0	0	0	26	n.a.
23	0	0	0	7	n.a.	2	0	0	24	1.000
24	1	0	0	6	1.000	1	0	0	25	1.000
25	1	1	0	5	0.588	0	1	0	25	n.a.
26	1	1	0	5	0.588	0	3	0	23	n.a.
27	1	1	0	5	0.588	0	1	0	25	n.a.
28	1	1	0	5	0.588	0	1	0	25	n.a.
29	1	0	0	6	1.000	1	0	0	25	1.000
30	1	1	0	5	0.588	0	1	0	25	n.a.
31	0	3	0	4	n.a.	0	0	1	25	n.a.
32	1	1	1	4	0.300	0	0	0	26	n.a.
33	1	0	0	6	1.000	3	0	0	23	1.000
34	0	0	0	7	n.a.	2	1	0	23	0.780

35	1	1	0	5	0.588	0	3	0	23	n.a.
36	1	1	0	5	0.588	0	3	0	23	n.a.
37	1	0	0	6	1.000	0	2	0	24	n.a.
38	1	1	0	5	0.588	0	1	0	25	n.a.
39	1	1	0	5	0.588	0	1	0	25	n.a.
40	1	1	0	5	0.588	0	2	0	24	n.a.
41	1	1	0	5	0.588	0	1	0	25	n.a.
42	1	1	0	5	0.588	0	0	0	26	n.a.
43	1	1	0	5	0.588	0	0	0	26	n.a.
44	0	0	0	7	n.a.	1	1	0	24	0.649
45	1	0	0	6	1.000	0	0	0	26	n.a.
46	1	1	0	5	0.588	0	0	0	26	n.a.
47	0	0	0	7	n.a.	3	0	0	23	1.000
48	2	1	0	4	0.696	0	1	0	25	n.a.
49	1	0	0	6	1.000	0	0	0	26	n.a.