Supplementary Table S3 Logistic regression analysis of HPV and HPV + *ZNF582* for predicting abnormal (LSIL/HSIL) cytology

Variable	Coefficient (β)	SE	Z	P>z	OR		95% CI		
			Univariable r	model					
HPV^a	1.77	0.27	6.50	0.00	5.86	3.44	to	9.99	
constant	-1.66	0.47	-3.52	0.00	0.19	0.08	to	0.48	
			Multivariable	model					
HPV ^a	1.80	0.31	5.84	0.00	6.04	3.30	to	11.04	
ZNF582 ^b	2.69	0.88	3.05	0.00	14.72	2.61	to	83.06	
constant	-2.51	0.66	-3.80	0.00	0.08	0.02	to	0.30	

HPV, human papillomavirus; HSIL, high-grade squamous intraepithelial lesion; LSIL, low-grade squamous intraepithelial lesion; ZNF, *ZNF582* gene; SE, standard error; z, z-score.

^aThe HPV genotype identified in each sample was coded accordingly: HPV undetected (0), not classifiable (1), possibly carcinogenic (2), and carcinogenic (3).

^bThe quantified promoter methylation value (%) of *ZNF582* gene at CpG-position 3 of each sample was binarized accordingly: <1.1 (0), ≥1.1 (1).