

TFPI2 methylation in cervical cancer

Table S1. Comparison of *TFPI2* methylation between the four lesion grades in the Uyгур cohort

	CpG_1	CpG_2.3.4.5	CpG_6	CpG_12.13.14	CpG_15	CpG_16.17	CpG_18.19	CpG_20	CpG_21.22	CpG_23	CpG_24.25.26	CpG_31
F	3.495	1.697	2.121	1.981	4.583	1.946	6.645	3.063	2.413	2.968	3.256	8.015
P	0.019*	0.184	0.105	0.124	0.005**	0.133	< 0.001***	0.034*	0.074	0.038*	0.027*	< 0.001***

Note: Half of the CpG sites have different methylation levels between different lesion grades in Uyгур cohort. Kruskal-Wallis H test was used to analyze the difference. *P* values were obtained from comparisons between the four lesion grades in detecting methylation levels of every CpG sites in Uyгур cohort. **P* < 0.05, ***P* < 0.01, ****P* < 0.001.

Table S2. Comparison of *TFPI2* methylation between the four lesion grades in the Han cohort

	CpG_1	CpG_2.3.4.5	CpG_6	CpG_12.13.14	CpG_15	CpG_16.17	CpG_18.19	CpG_20	CpG_21.22	CpG_23	CpG_24.25.26	CpG_31
F	4.645	2.708	1.13	2.46	1.575	1.895	1.115	3.304	4.704	3.081	2.298	3.899
P	0.004**	0.049*	0.34	0.067	0.2	0.135	0.347	0.023*	0.004**	0.030*	0.082	0.011*

Note: There is a significant difference in *TFPI2* methylation between the 4 lesion grades at some CpG sites. Kruskal-Wallis H test was used to analyze the difference. *P* values were obtained from comparisons between the four lesion grades in detecting methylation levels of every CpG sites in Han cohort. **P* < 0.05, ***P* < 0.01.

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Table S3. The difference between the four lesion grades of HPV16 infection in Uygur cohort (n = 123 cases)

Lesion grades	HPV16 n (%)		χ^2	P
	+	-		
Normal	1 (4.8%)	20 (95.2%)	35.748	< 0.001***
CIN1	3 (27.3%)	8 (72.7%)		
CIN2/3	15 (41.7%)	21 (58.3%)		
ICC	42 (76.4%)	13 (23.6%)		

Note: There is a significant difference in HPV16 infection between the four lesion grades in Uygur cohort. "+" is HPV16-positive infection, "-" is HPV16-negative infection. Chi-square test was used in this analysis. P values were obtained from comparisons between 4 lesion grades in detecting HPV16 infected in Uygur cohort. ***P < 0.001.

Table S4. The difference in HPV16 infection between CIN2/3 and ICC in the Han cohort

Lesion grades	HPV16 n (%)		χ^2	P
	+	-		
CIN2/3	24 (63.2%)	14 (36.8%)	0.338	0.561
ICC	23 (53.5%)	10 (46.5%)		

Note: There is not a significant difference in HPV16 infection between CIN2/3 and ICC in the Han cohort. Chi-square test was used in this analysis.