

Supplementary Table S2. Head and neck squamous cell carcinoma patients clinicopathological feature and association of the expression of Shh and Nrf2.

Patients characteristics	Cases (%)	Shh high	Shh low	p-value^a	Nrf2 high	Nrf2 low	p-value^b
All patients	183(100%)						
Gender							
Male	102(55.74)	49	53	ns	75	27	ns*
Female	81(44.26)	33	48		33	48	
Chemotherapy							
Yes	115(62.84)	73	42	0.008	81	34	0.02
No	68(37.16)	25	43		18	50	
Lymph node							
Positive	57(31.15)	31	26	0.004	13	44	ns*
Negative	126(68.85)	12	114		18	108	
Recurrence							
Yes	32(17.49)	29	3	0.006	9	23	ns*
No	151(82.51)	17	134		21	130	
Metastasis							
Yes	39(21.31)	33	6	0.05	19	14	ns*
No	144(78.69)	27	117		19	125	

Abbreviations: ns-not significant. ^a High Shh vs low Shh expression. Statistical analysis was performed using Chi-square and Fisher's exact test. ^b High Nrf2 vs low Nrf2 expression. Statistical analysis was performed using Chi-square and Fisher's exact test.