

Supplementary Material

1 Supplementary Figures

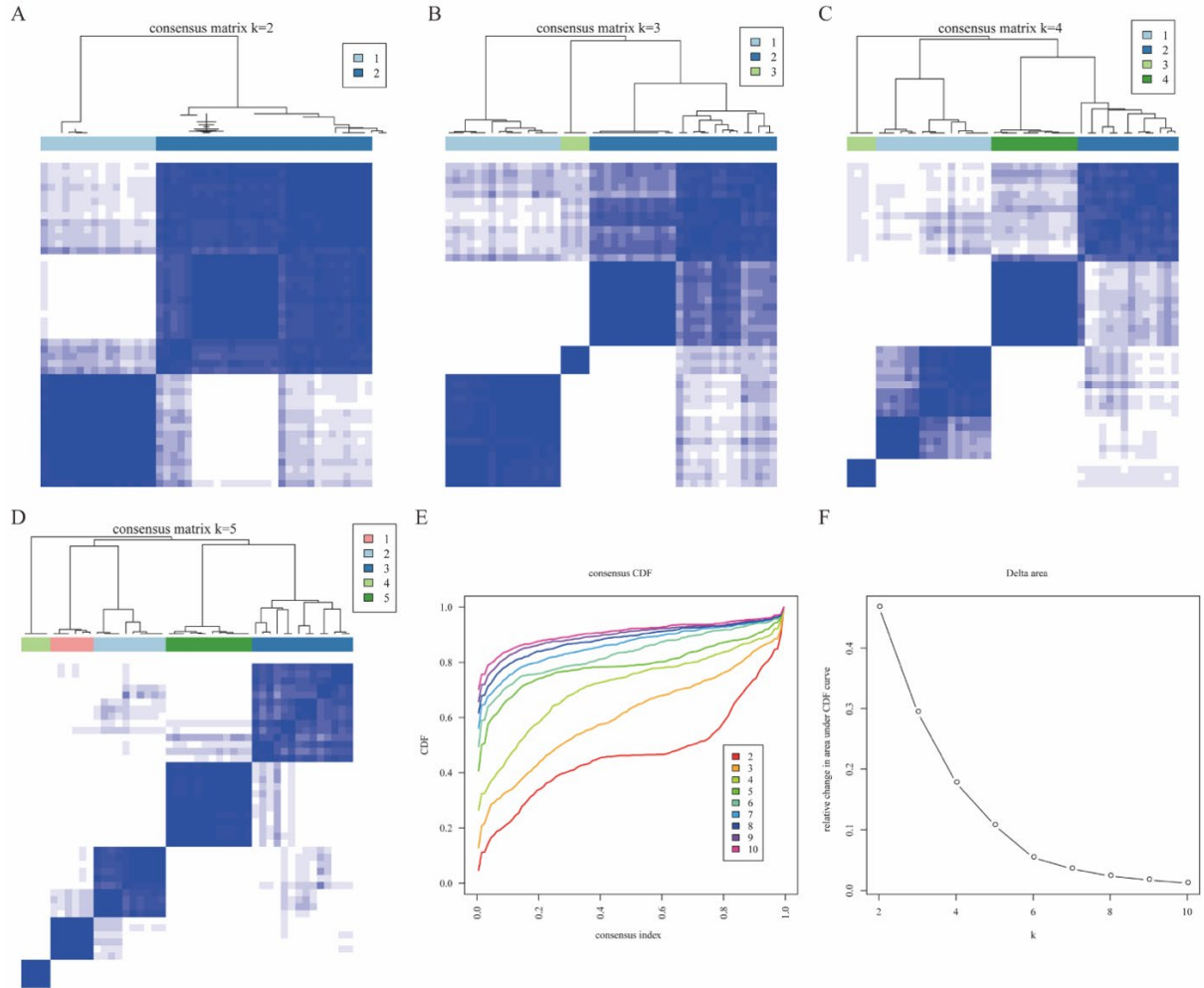


Figure S1. The consensus clustering of HNSCC samples classification. **(A-D)** The color-coded heatmap corresponding to the consensus matrix for $k = 2, 3, 4, 5$ obtained by applying consensus clustering. The color gradients were from 0 to 1, representing the degree of consensus, with white corresponding to 0 and dark blue to 1. **(E-F)** Delta area curve of consensus clustering, indicating the relative change in area under the cumulative distribution function (CDF) curve for

each category number k compared with $k-1$. The horizontal axis represents the category number k and the vertical axis represents the relative change in area under CDF curve.

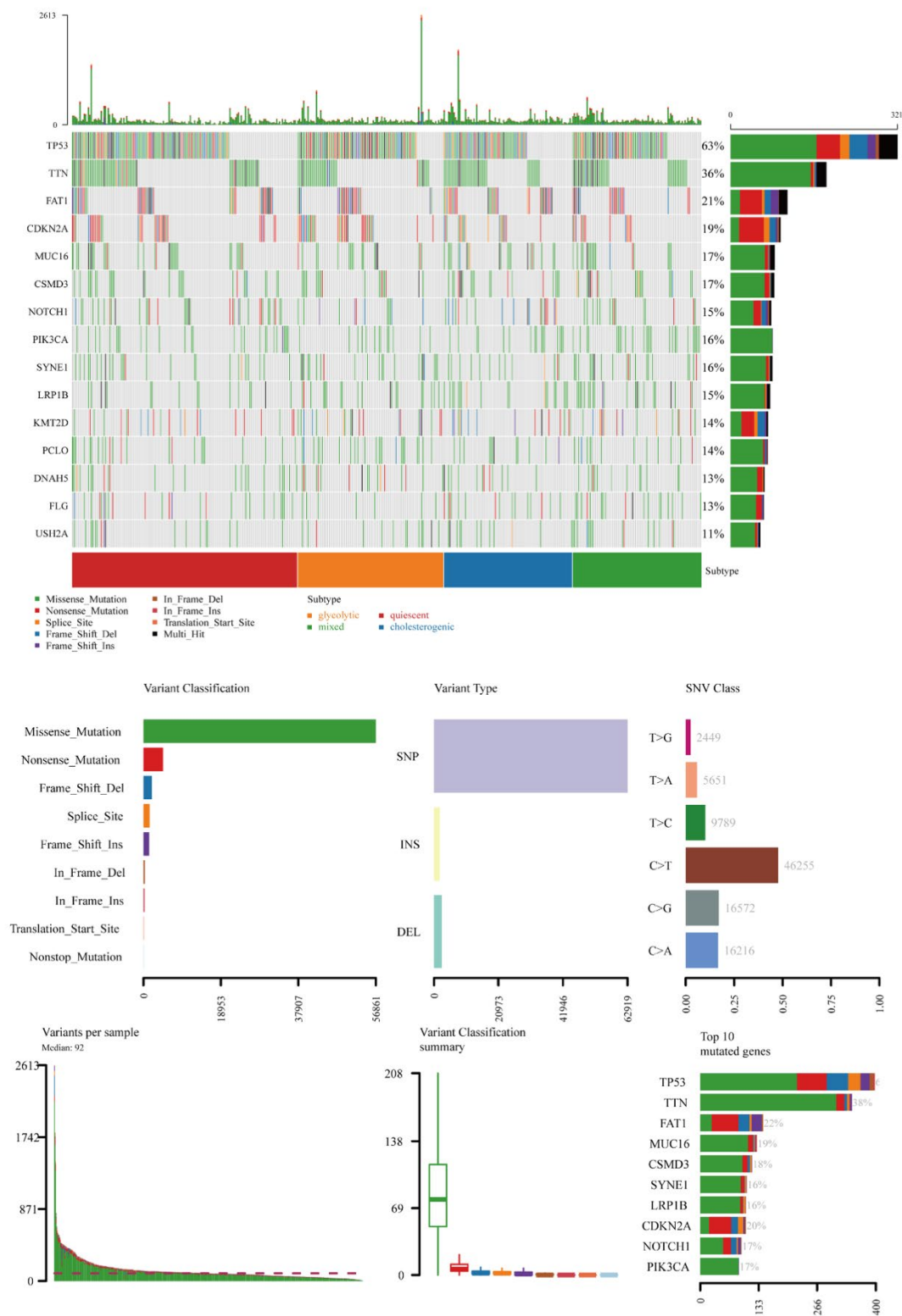


Figure S2. This maftools plot showing most mutated genes, SNV class, and variant classification distributions in HNSCC.

2 Supplementary Table

Table S1. Clinicopathological characteristics of patients with head and neck squamous cell carcinoma (N = 22)

Characteristics	n
Gender	
male	17
female	5
Age	
≤60	11
>60	11
T stage	
T1-T2	13
T3-T4	9
N stage	
N0	4
N1-N3	18
Location	
Tongue	10
Buccal	6

Oropharynx	2
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Nasopharynx	2
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Mouth floor	1
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Gingiva	1
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