

**The early diagnosis and monitoring of squamous cell carcinoma
via saliva metabolomics**

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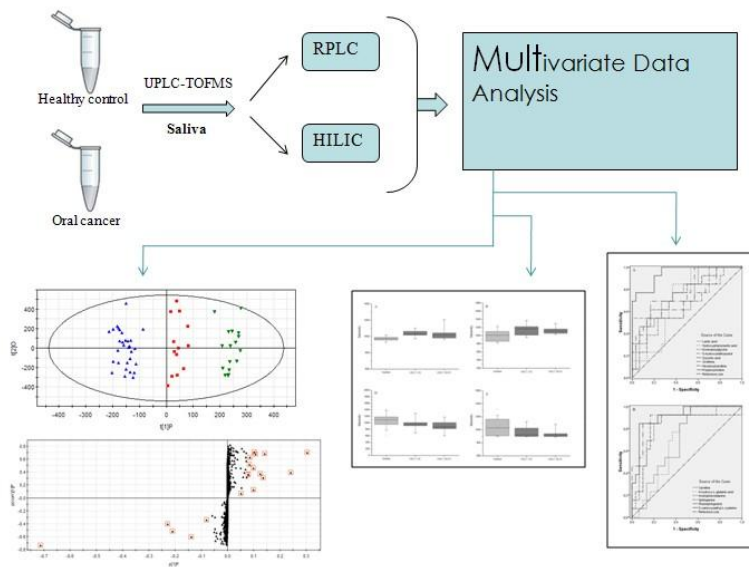
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Supplemental Table 1. Clinical characteristics of saliva samples used in this study

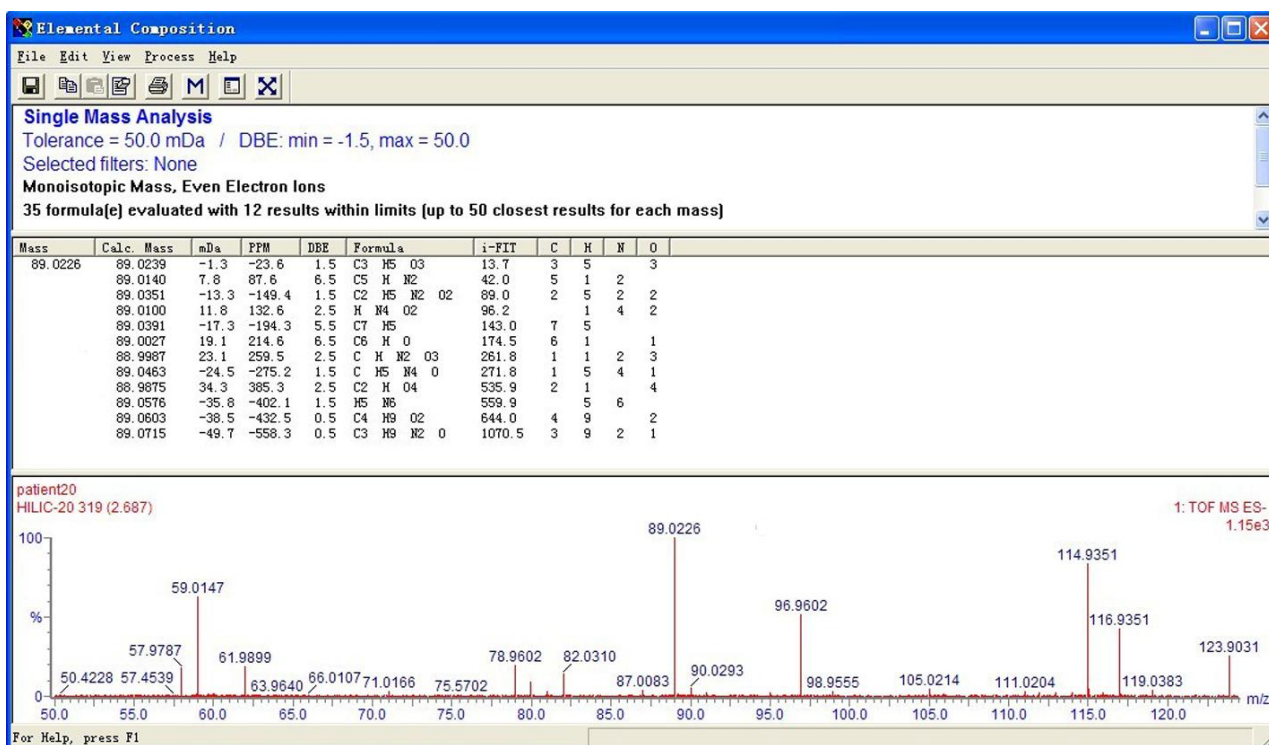
Characteristics	OSCC patients	Healthy controls
Number of subjects	30	30
Race	Chinese	Chinese
Gender (Male/Female)	25/5	25/5
Age (mean, range)	55, 29-72	47, 25-69
Clinical staging		
Early stage (I-II)	13 (I:4, II:9)	
Advanced stage (III-IV)	17 (III:3, IV:14)	
TNM staging ^a		
Tumor states (T)	T1:7, T2:10, T3:1, T4:12	
Regional lymph node status (N)	N0:18, N1:9, N2:3	
Distant metastasis status (M)	M0:30, M1:0	

^acTNM.

Supplemental Figure 1. Metabonomics research strategy with the integration of RPLC and HILIC for OSCC salivary biomarkers identification.

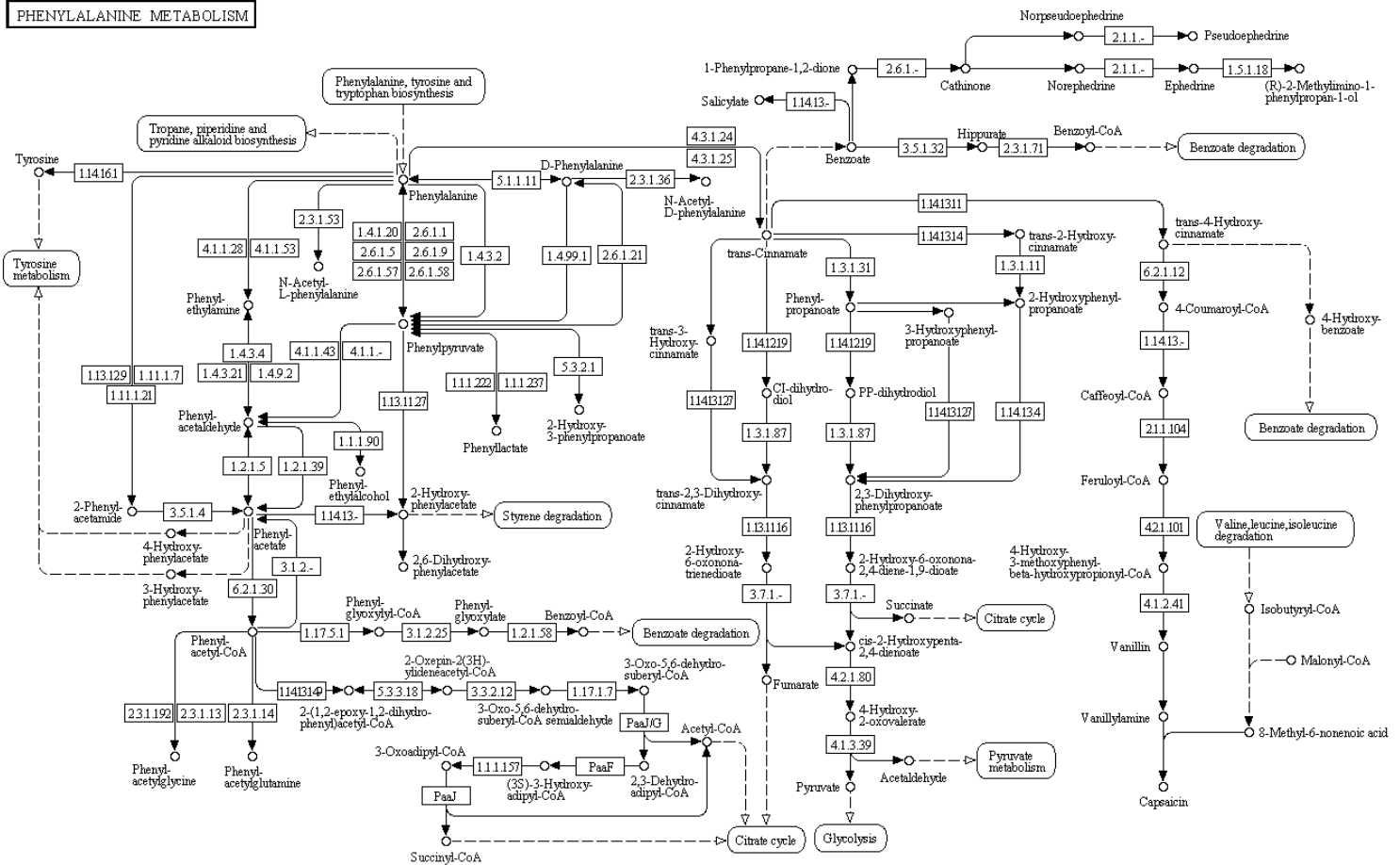


Supplemental Figure 2. The elemental composition analysis for the ion of m/z 89.0226/2.59 min in HILIC with negative-ion mode.



Supplemental Figure 3. Phenylalanine metabolism

PHENYLALANINE METABOLISM



Supplemental Figure 4. Sphingolipid metabolism

