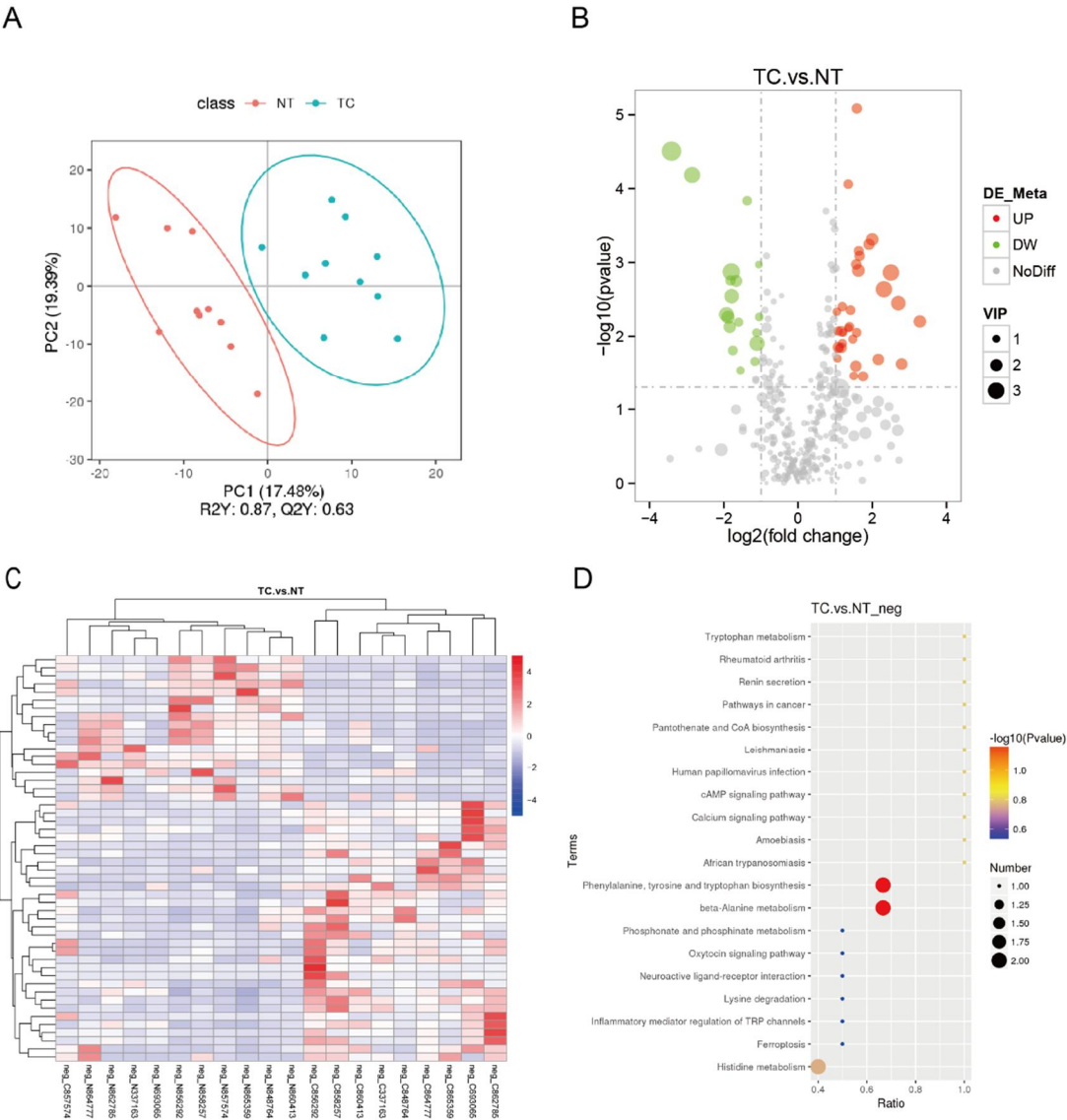


Kynurenine promotes angiogenesis through mTOR signaling in head and neck squamous cell carcinoma

Supplementary figure 1



Reprogramming of tryptophan metabolism in HNSCC. A. partial least squares discriminant analysis (PLS-DA) in negative pattern, B. clustering analysis of differential metabolites in the negative ion pattern, C. volcano maps of differential metabolites in the negative ion pattern, D. negative ion pattern KEGG-enriched bubble maps[1-3].

[1] Kanehisa M, Furumichi M, Sato Y, Matsuura Y, Ishiguro-Watanabe M. KEGG: biological systems database as a model of the real world[J]. Nucleic Acids Research,2025, 53 (D1): D672-d677.

[2] Kanehisa M. Toward understanding the origin and evolution of cellular organisms[J]. Protein Science,2019, 28 (11): 1947-1951.

[3] Kanehisa M, Goto S. KEGG: kyoto encyclopedia of genes and genomes[J]. Nucleic Acids Research,2000, 28 (1): 27-30.