

1 **Supplementary file:**

2 Figure S1. Transcriptome-level and survival analysis of WNT5A in head and neck
3 squamous cell carcinoma. (A-B) Transcriptional expression of WNT5A is
4 significantly high in representative non-canonical Wnt signaling pathways ligands and
5 HNSCC patients (both non-match data and matched data, mRNA expression data
6 from TCGA-HNSC (TCGA, Firehose Legacy, <https://www.cbioportal.org/>), (C-D)
7 Kaplan-Meier curve analysis of overall survival and progress free survival of
8 TCGA-HNSC patients in high- and low-WNT5A expression groups($p > 0.05$).

9

10 Figure S2. Protein levels, transcriptome-level, and survival analysis of Beclin1 in
11 head and neck squamous cell carcinoma. (A-B) Transcriptional expression and
12 protein level of Beclin1 is significantly high in HNSCC patients (both non-match data
13 and matched data, mRNA expression data from TCGA-HNSC (TCGA, Firehose
14 Legacy, <https://www.cbioportal.org/>), Protein level from The Human Protein Atlas
15 (<https://www.proteinatlas.org/>)). (C-D) Kaplan-Meier curve analysis of overall
16 survival and progress free survival of TCGA-HNSC patients in high- and low-Beclin1
17 expression groups ($p < 0.05$)

18

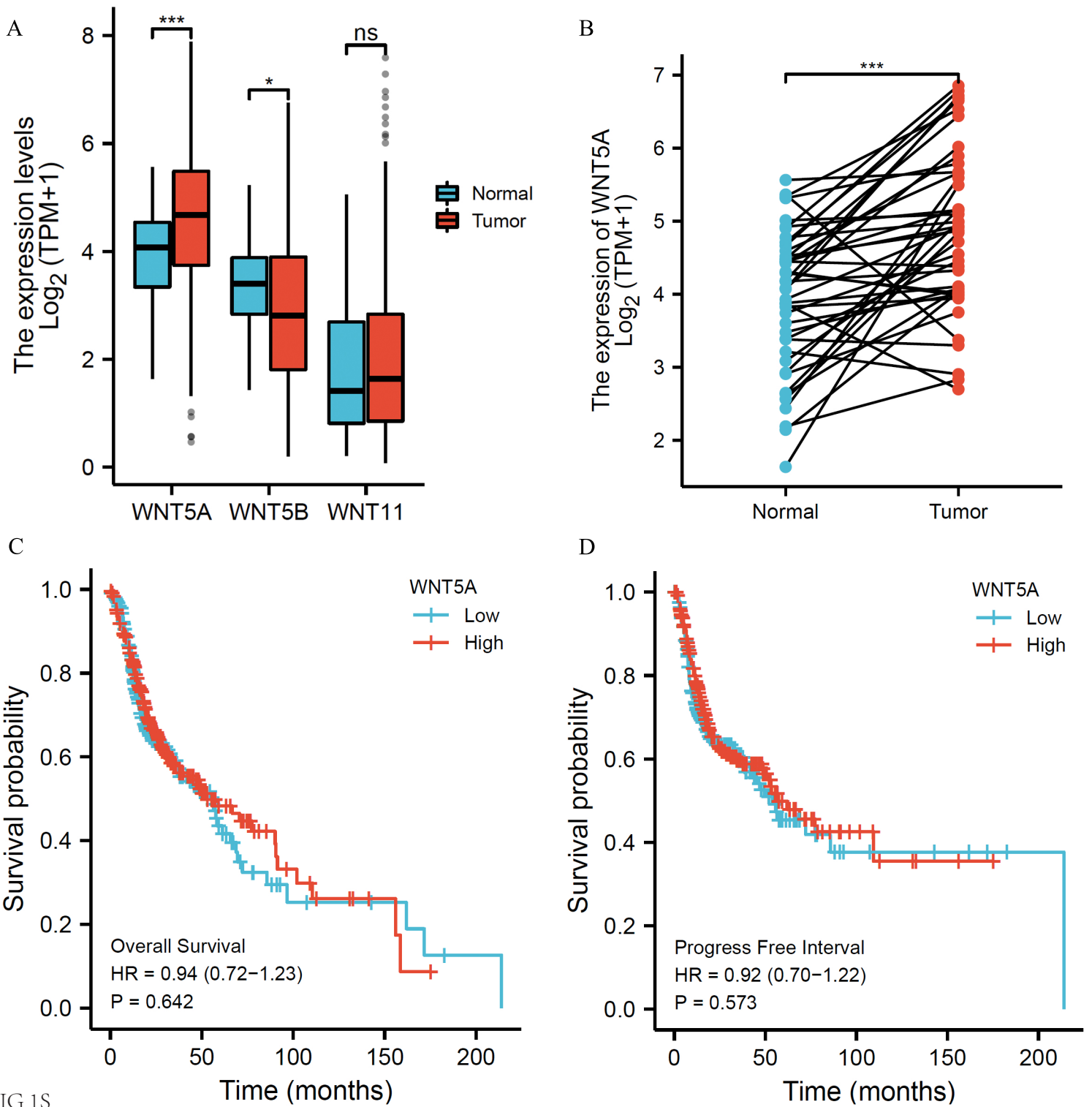


FIG 1S

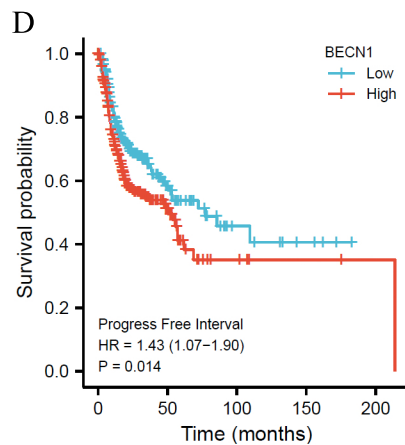
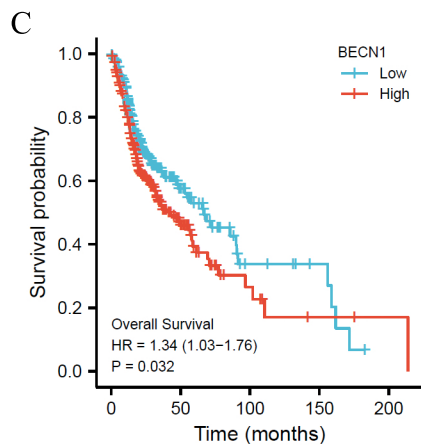
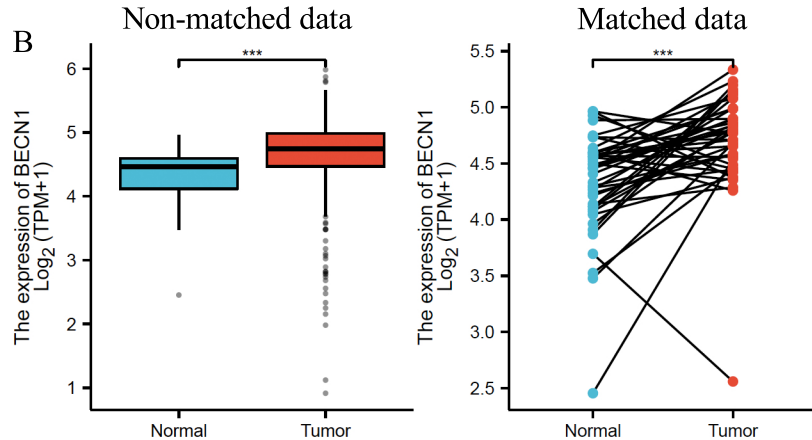
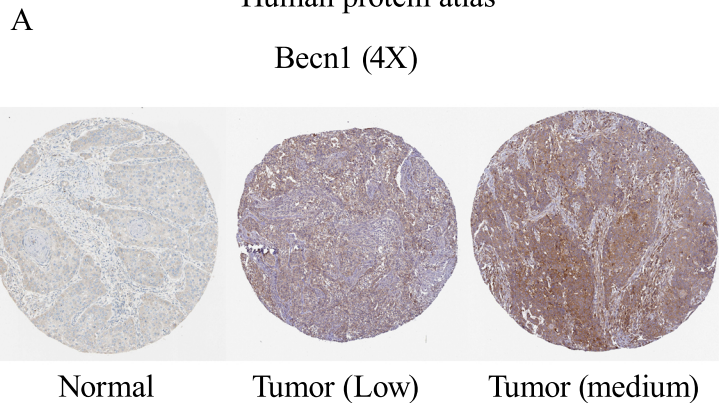


FIG 2S