

SUPPLEMENTARY INFORMATION

The Antihelminthic Niclosamide Inhibits Cancer Stemness, Extracellular Matrix Remodeling, and Metastasis through Dysregulation of the Nuclear β -catenin/c-Myc axis in OSCC

Lin-Hong Wang^{1,#}, Mei Xu^{2,#}, Luo-Qin Fu^{3,4}, Xiao-Yi Chen^{3,4}, Fan Yang^{1*}

1 Department of Stomatology, Zhejiang Provincial People's Hospital, People's Hospital of Hangzhou Medical College, Hangzhou 310014, Zhejiang Province, China

2 Special Department, Hangzhou Dental Hospital, Hangzhou 310013, Zhejiang Province, China

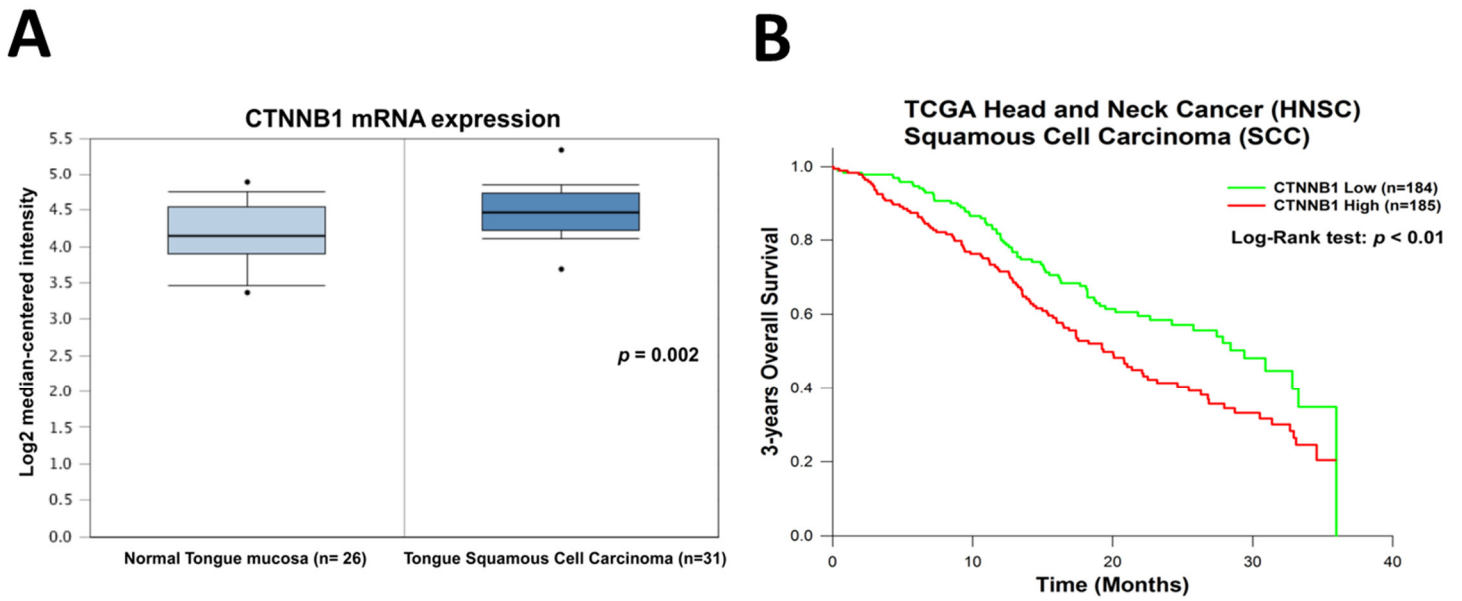
3 Clinical Research Institute, Zhejiang Provincial People's Hospital, People's Hospital of Hangzhou Medical College, Hangzhou 310014, Zhejiang Province, China

4 Key Laboratory of Tumor Molecular Diagnosis and Individualized Medicine of Zhejiang Province, Hangzhou 310014, Zhejiang Province, China

Corresponding author:

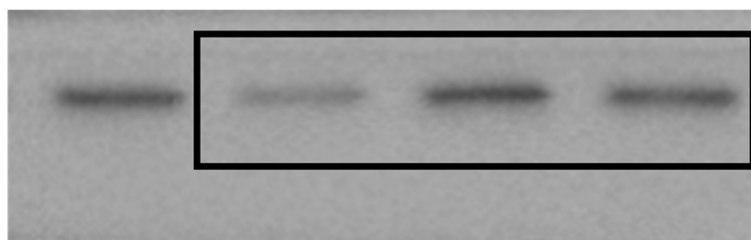
Dr. Fan Yang,

Department of Stomatology, Zhejiang Provincial People's Hospital, People's Hospital of Hangzhou Medical College, No. 158 Shangtang Road, Hangzhou 310014, China; Tel: +86-571-85893206, Fax: +86-571-85893206, E-mail: yangfan@hmc.edu.cn

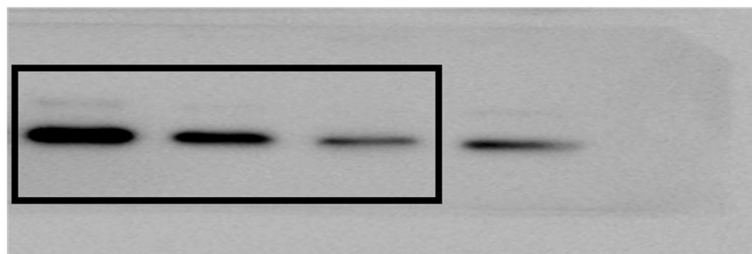


Supplementary Figure S1. Analysis of WNT/CTNNB1 mRNA expression in TSCC and HNSC using Oncomine and TGCA database. (A) Box-plot diagrams were analyzed to compare the WNT/CTNNB1 mRNA levels in normal tongue mucosa tissue with that in tongue squamous cell carcinoma using the Oncomine dataset. (B) Survival curves for HNSC in relation to WNT/CTNNB1 expression. Kaplan–Meier curves for TGCA database, stratified by high vs. low WNT/CTNNB1 expression.

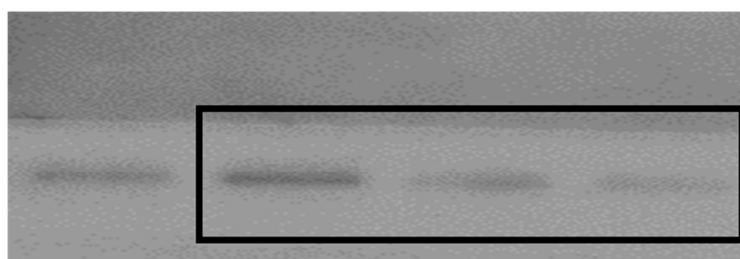
E-cadherin



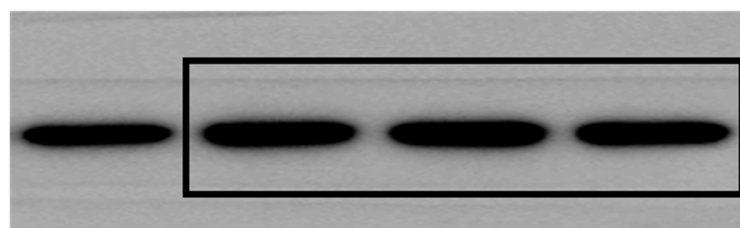
Vimentin



Snail



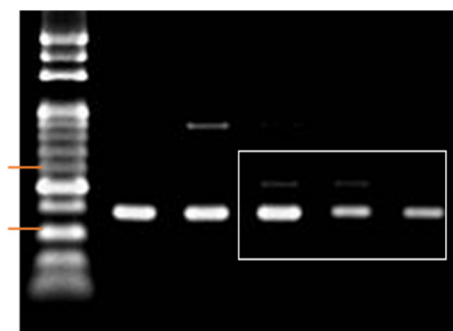
β -Actin



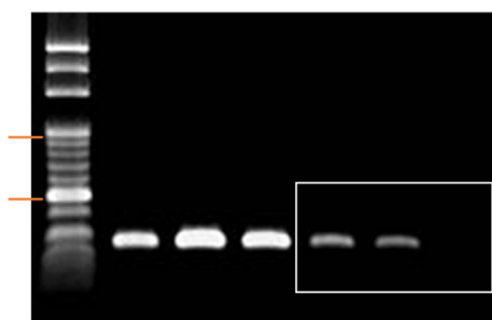
Supplementary Figure S2. Full-size blots of Figure 3D

MMP 2

MMP 9



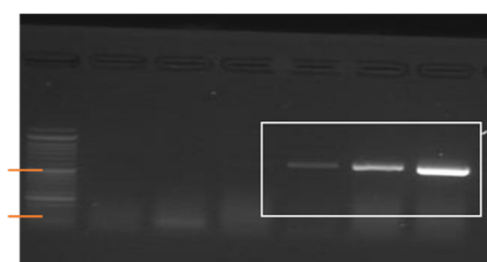
Annealing : 56 °c 30 sec
Elongation : 72 °c 30 sec
Cycle : 40



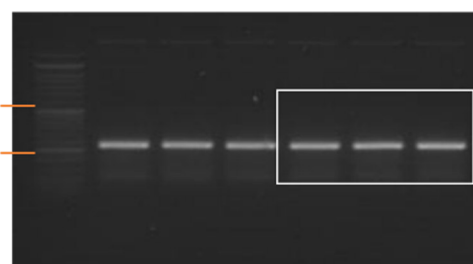
Annealing : 56 °c 30 sec
Elongation : 72 °c 30 sec
Cycle : 40

TIMP2

GAPDH

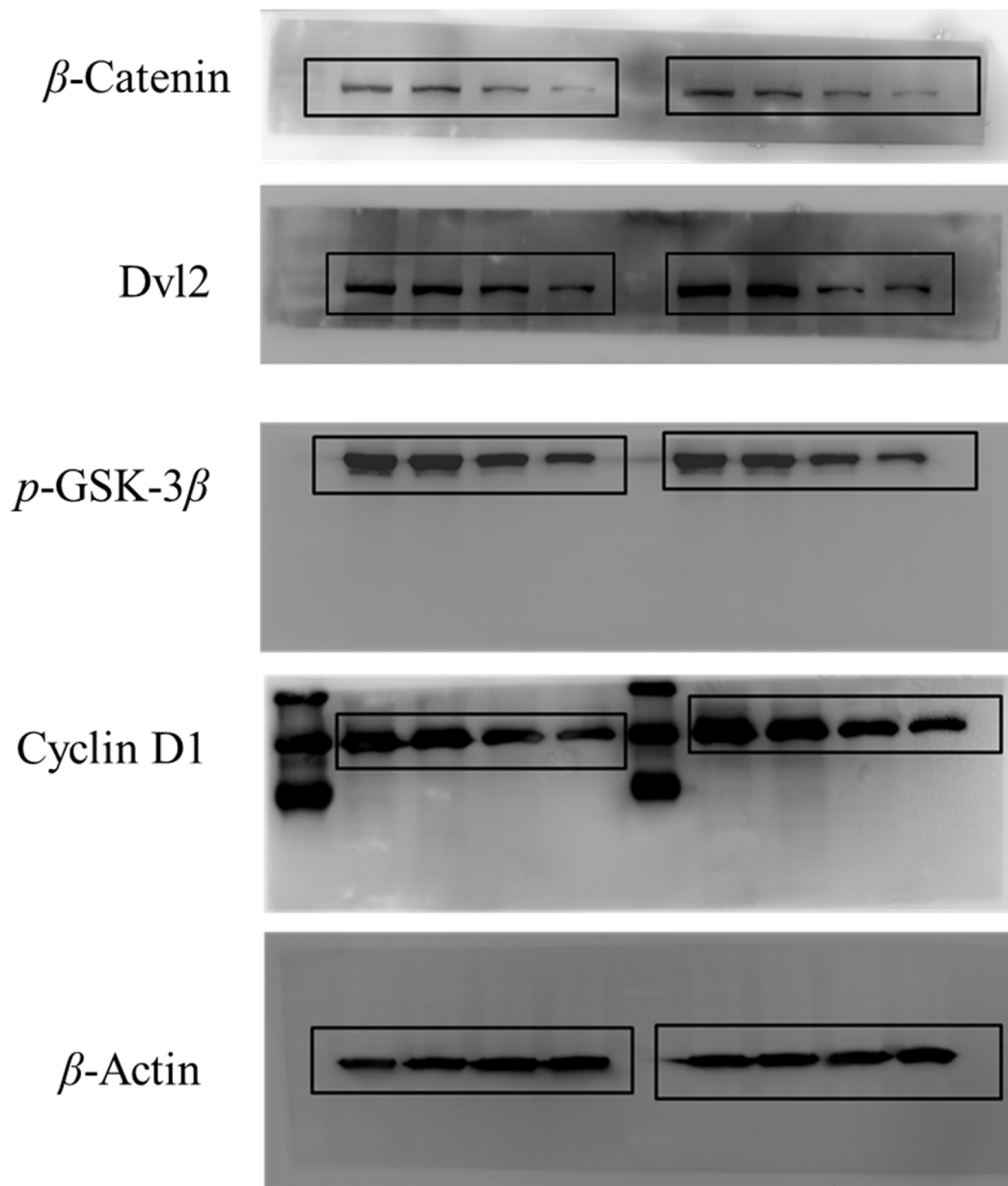


Annealing : 62 °c 30 sec
Elongation : 72 °c 30 sec
Cycle : 40

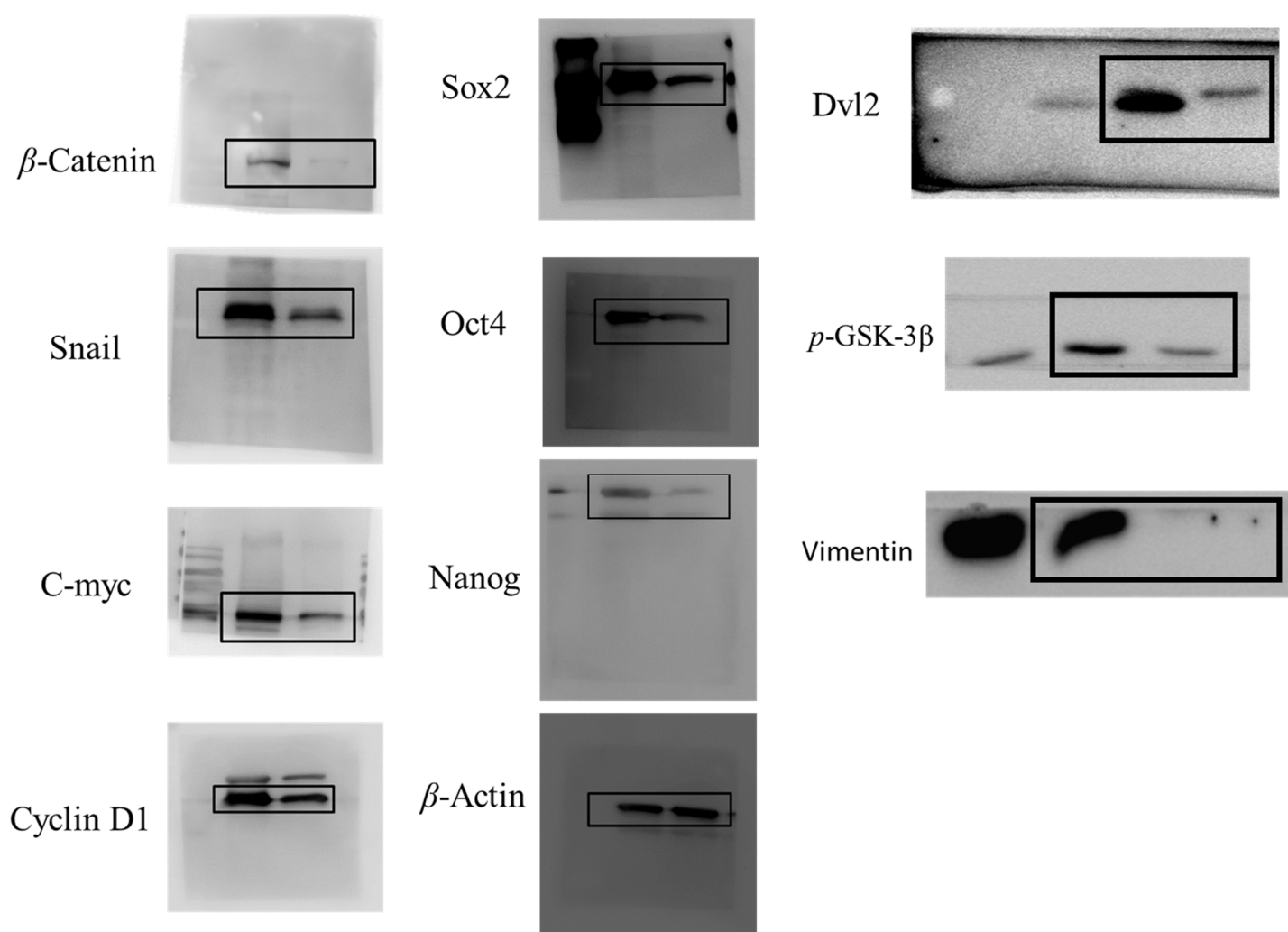


Annealing : 55 °c 30 sec
Elongation : 72 °c 30 sec
Cycle : 26

Supplementary Figure S3. Full-size blots of Figure 3E



Supplementary Figure S4. Full-size blots of Figure 4C and 4D



Supplementary Figure S5. Full-size blots of Figure 5A