

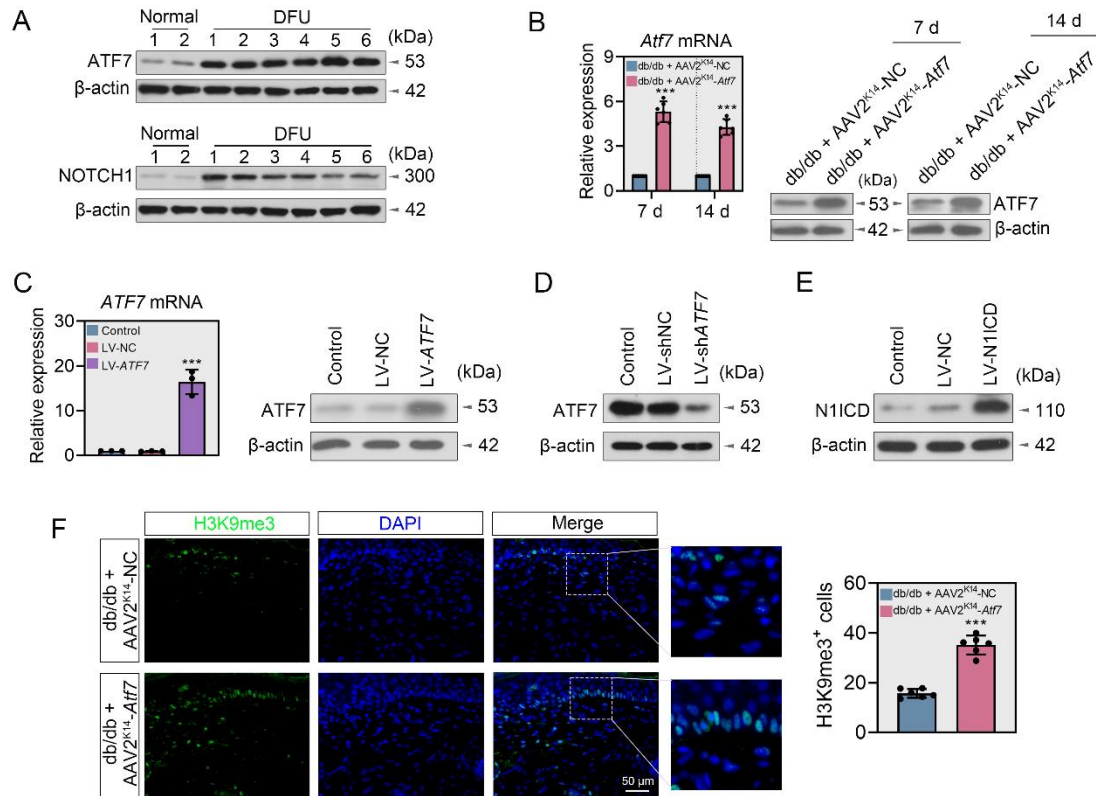


Figure. S1 (A) Protein expression of ATF7 and NOTCH1 in human diabetic foot ulcer (DFU) tissues ($n = 6$) and non-diabetic control skin samples ($n = 2$). (B) qRT-PCR and western blot analysis of ATF7 expression in wound tissues. (C) Human keratinocyte HaCaT cells were infected with LV-ATF7 or control lentivirus (LV-NC) for 48 h. *ATF7* mRNA and ATF7 protein expression were validated by qRT-PCR and western blot, respectively. (D) HaCaT cells were infected with LV-shATF7 or control lentivirus (LV-shNC) for 48 h. Protein expression was validated by western blot. (E) HaCaT cells were infected with LV-N1ICD or control lentivirus (LV-NC) for 48 h. Protein expression was validated by western blot. (F) Representative immunofluorescence images of H3K9me3 expression and quantitative analysis for H3K9me3-positive cells. Nuclei counterstained with DAPI. Scale bars: 50 μ m. Results are expressed as means $\pm$ SD. *** $p < 0.001$. Cell experiments were performed with $n=3$ replicates, animal

experiments were performed with n=6 replicates. Statistical analysis was performed by two-tailed unpaired Student's t-test (B, F) and 1-way ANOVA (C).

Gene	Forward (5'-3')	Reverse (5'-3')
<i>Mus Nos2</i>	CACCACCCTCCTCGTTC	CAATCCACAACCTCGCTCC
<i>Mus Cd86</i>	ATGGGCTCGTATGATTGT	CTTCTTAGGTTTCGGGTG
<i>Mus Atf7</i>	ATCCAACAGGCAAATAGG	CTTCTGACGGCATAGGG
<i>Mus MHCII</i>	CAGCCAAGATCAAAGTGCG	GCCAAGCCCGAGGAAGA
<i>Mus Arg1</i>	TATCTGCCAAAGACATCG	ATCACCTTGCCAATCCC
<i>Mus Cd206</i>	GCAAGTGATTTGGAGGCT	ATAGGAAACGGGAGAACC
<i>Homo IL1B</i>	TATTACAGTGGCAATGAGG	ATGAAGGGAAAGAAGGTG
<i>Homo IL6</i>	GTCCAGTTGCCTTCTCCC	GCCTCTTTGCTGCTTTCA
<i>Homo NOS2</i>	AGCGGTAACAAAGGAGATAG	GGGAACACGGTGATGG
<i>Homo TNFA</i>	CGAGTGACAAGCCTGTAGCC	TGAAGAGGACCTGGGAGTAGAT
<i>Homo ATF7</i>	TGTGAGGAGGTGGGACTCTT	TTGGGGTAACCTCCTCCACT
<i>Homo CD86</i>	CTCTGGTGCTGCTCCTCT	GGGTCCAACCTGTCCGAAT
<i>Homo MHCII</i>	CAGGCGAGTTTATGTTTGAC	ATGATTTCCAGGTTGGCTTT
<i>Homo NOTCH1</i>	TGAATGGCGGGAAGTGTGAA	ACTTGTA CTCCGTCAGCGTG

Supplementary Table 1. Sequences of qRT-PCR primers (5'-3')