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SUPPLEMENTARY MATERIAL

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MicroRNA-17-3p is upregulated in psoriasis and regulates keratinocyte hyperproliferation and pro-inflammatory cytokine secretion by targeting *CTR9*

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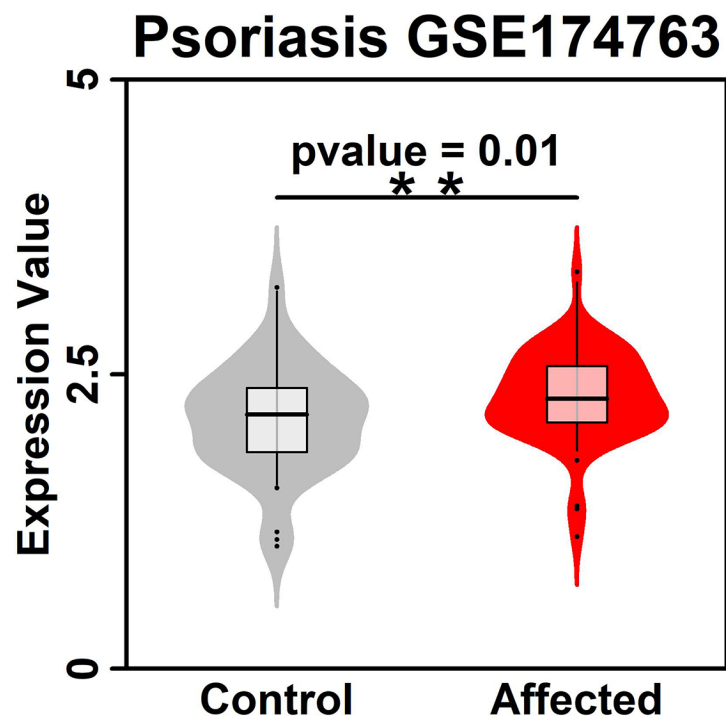
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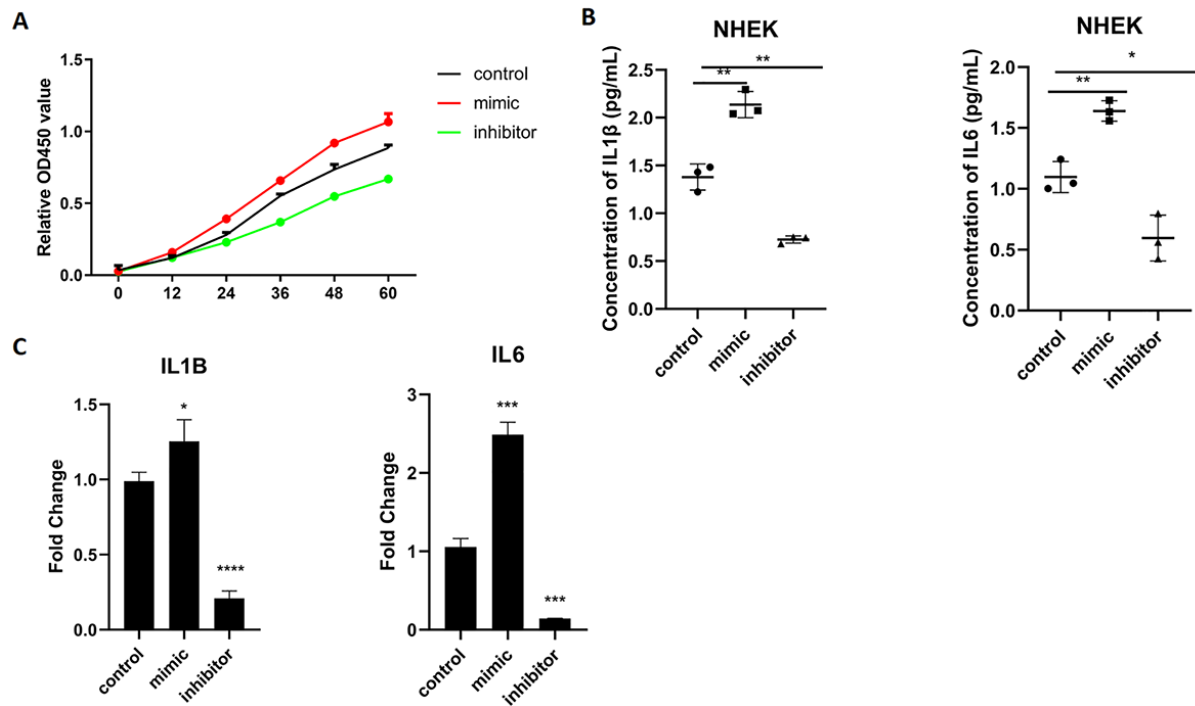
Key words: Psoriasis; microRNA-17-3p; CTR9; keratinocytes; cell proliferation; pro-inflammatory cytokines.

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Supplementary Figure 1.

The sequencing data downloaded from a website (<https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE174763>). After performing bio-information analysis, we got a result that miR-17-3p is up-regulated in the skin lesions of patients with psoriasis.



Supplementary Figure 2.

Effects of miR-17-3p on NHEKs proliferation *in vitro*; effects of miR-17-3p on pro-inflammatory cytokine secretion of NHEKs.

A) The proliferation curves of NHEKs after transfection with miR-17-3p mimic/control or miR-17-3p inhibitor/control at 0, 12, 24, 36, 48, and 60 h obtained by CCK-8 assays. B) The culture media of NHEKs in the miR-17-3p mimic/inhibitor/control group were analyzed by ELISA to measure the secretion levels of IL-1 β and IL-6. C) The culture media of NHEKs in the miR-17-3p mimic/inhibitor/control group were analyzed by qRT-PCR to measure the secretion levels of IL-1 β and IL-6.