MiR-302e attenuates allergic inflammation in vitro model by targeting RelA

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Running title: MiR-302e inhibits allergic inflammation

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Supplementary Materials

Figure S1.

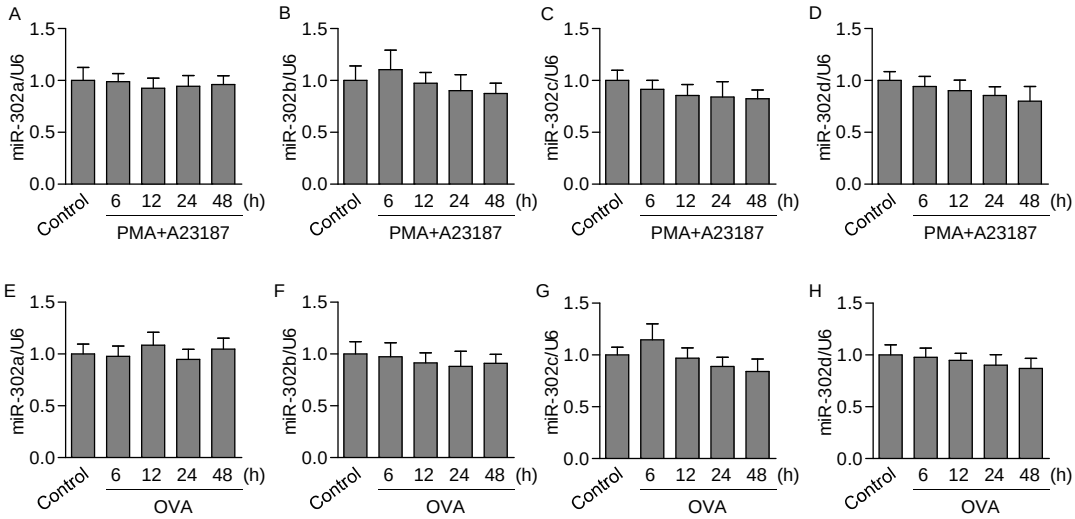

Figure S1. Effects of PMA/A23187 or OVA treatment on miR-302a, miR-302b, miR-302c and miR-302d level. (A-H) HMC-1 cells were treated with PMA (20 nM) plus A23187 (1 μM) or ovalbumin (OVA, 5 mg/mL) for 6, 12, 24 or 48 h. The expression of miR-302a (A and E), miR-302b (B and F), miR-302c (C and G) and miR-302d (D and H) was determined by quantitative real-time PCR.

Figure S2

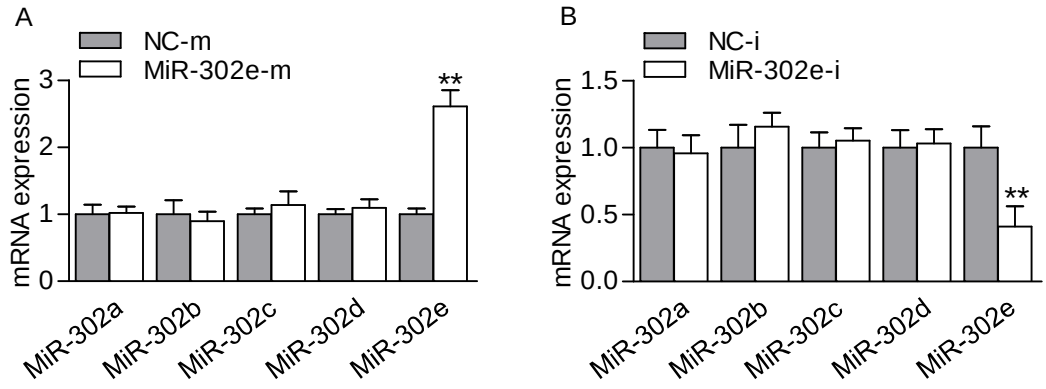

Figure S2. Effect of MiR-302e mimics or inhibitor on the expression of miR-302 family members. (A and B) HMC-1 cells transfected with miR-302 mimics (miR-302e-m, 40 nM) (A) or miR-302 inhibitor (miR-302e-i, 40 nM) (B) for 48 h. The expression of miR-302a, miR-302b, miR-302c, miR-302d and miR-302e was determined by quantitative real-time PCR. **P<0.01 vs. NC-m or NC-i, n=6.

Figure S3

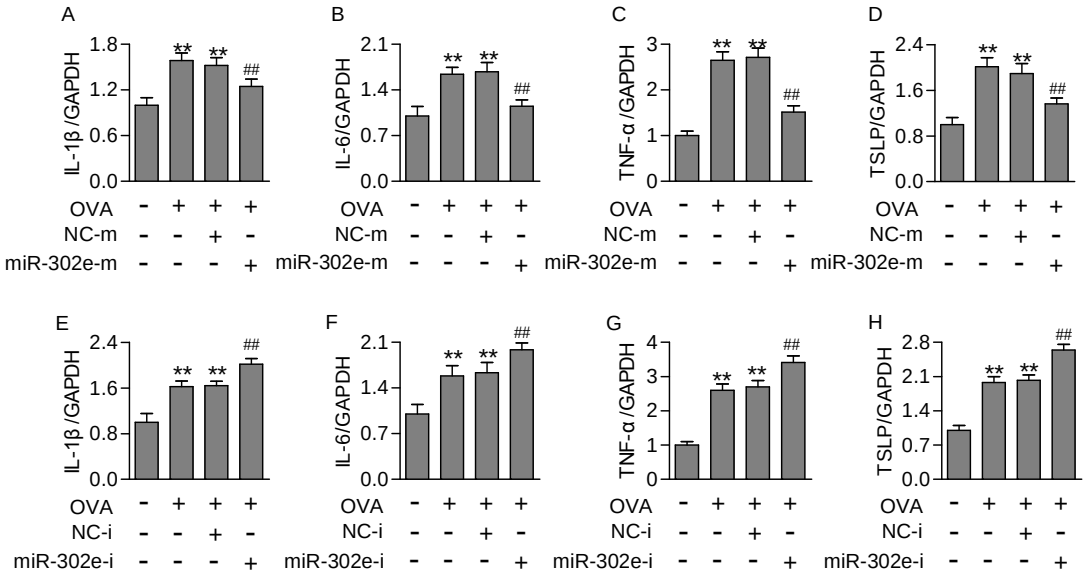

Figure S3. Effects of miR-302e on OVA-induced the mRNA level of cytokines. (A) HMC-1 cells were transfected with miR-302e mimics (miR-302e-m, 40 nM), miR-302e inhibitor (miR-302e-i, 40 nM), mimics negative control (NC-m) or inhibitor negative control (NC-i) for 48 h and then treated with ovalbumin (OVA, 5 mg/mL) for 24 h. The mRNA level of IL-1β (A and E), IL-6 (B and F), TNF-α (C and G) and TSLP (D and H) was examined by quantitative real-time PCR. **P<0.01 vs. control; ##P<0.01 vs. OVA, n=6.