

# Effect of Chloroquine on Type 2 Inflammatory Response in MC903-Induced Atopic Dermatitis Mice [Corrigendum]

The authors have advised there are errors in the Y-axis of Figures 1, 2 and 4 on pages 1097, 1099 and 1101, respectively.

The Y-axis label “Body weight (kg)” in figure parts 1B, 2C and 4c should read “Body weight (g)”. The Y-axis label “Th2 cell counts (×103)” in figure parts 1G, 2H and 4H should read “Proportion of Th2 cells (%)”. The correct figures are as follows.

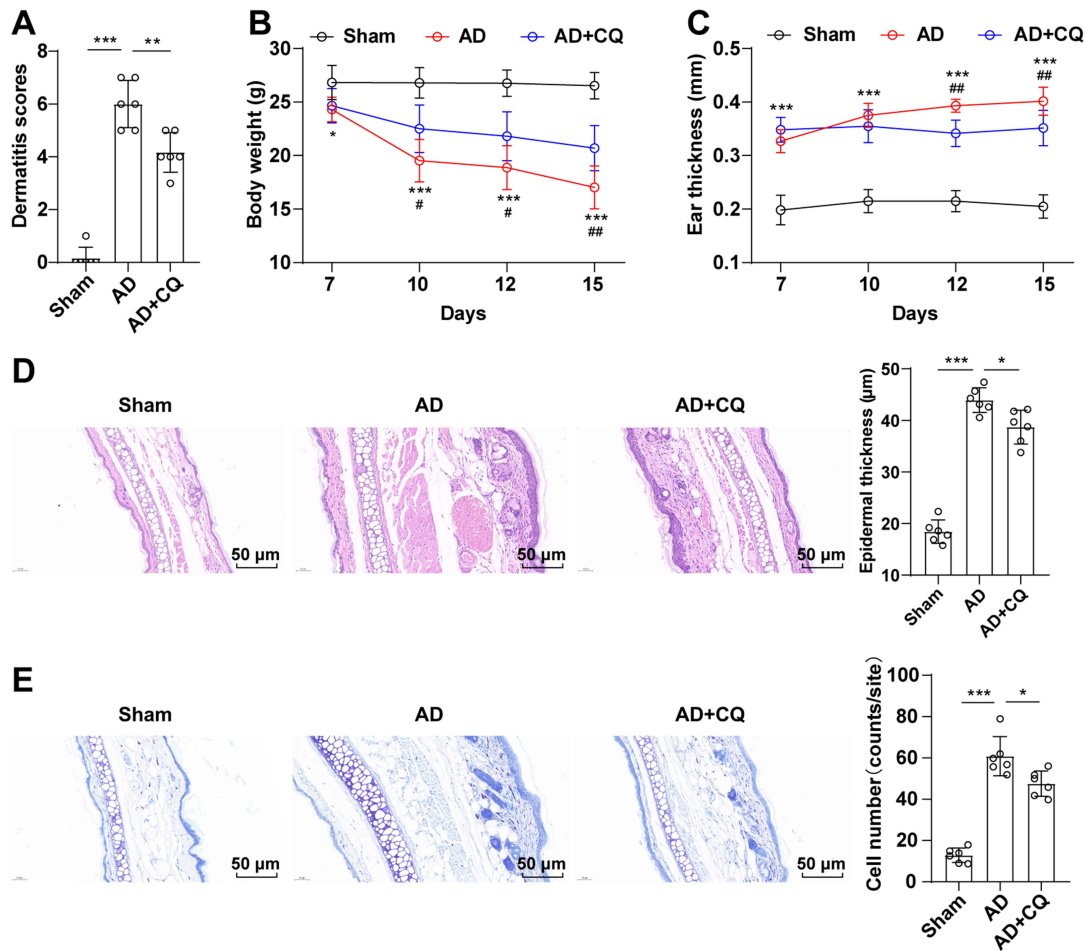
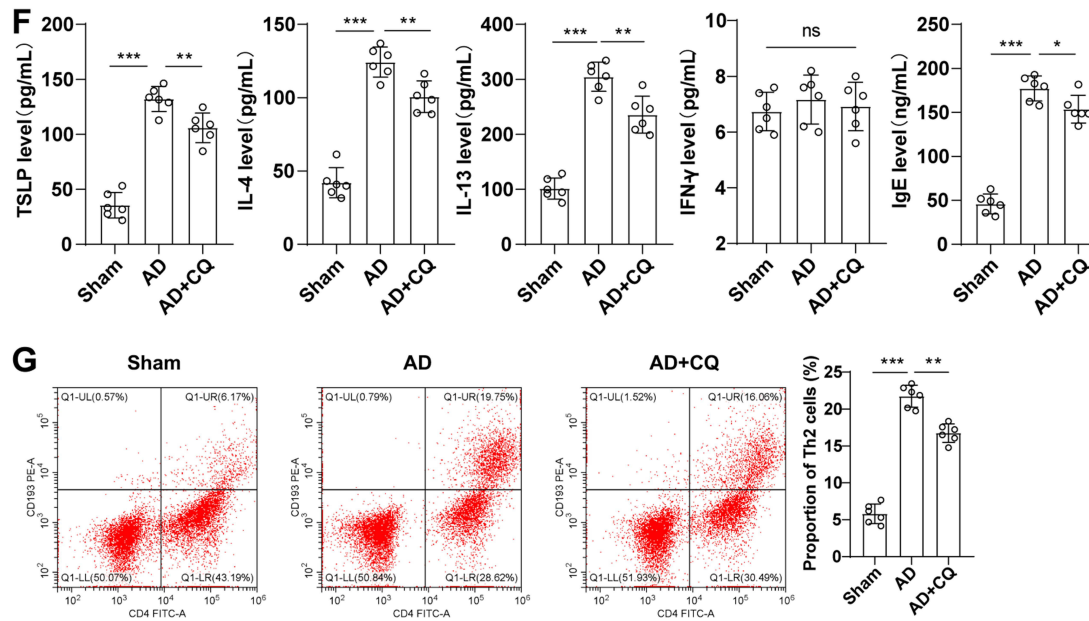
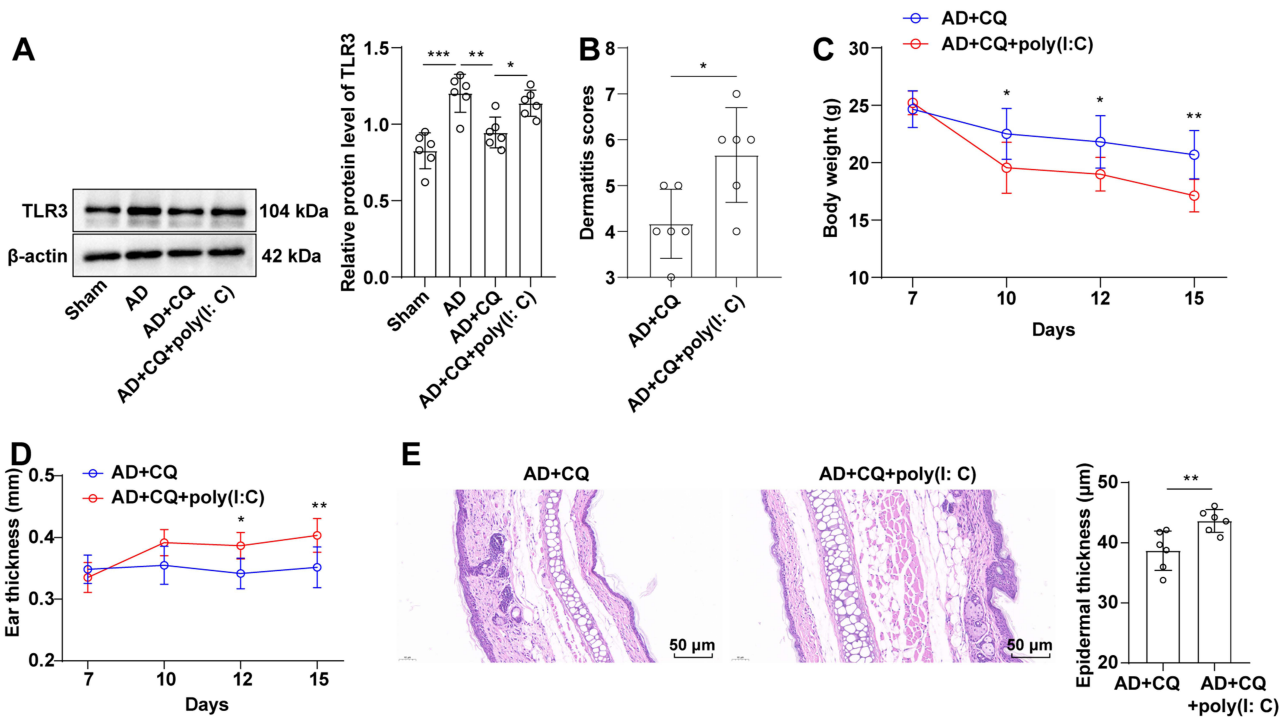


Figure 1 Continued.

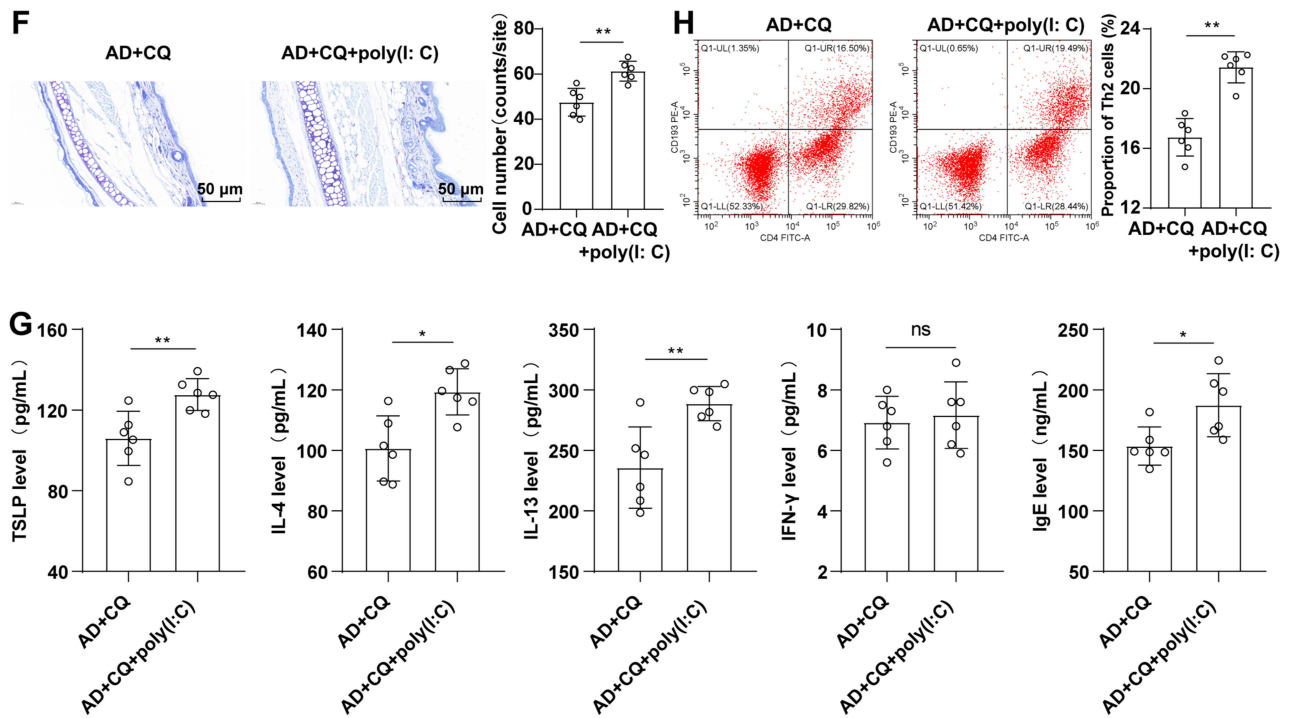
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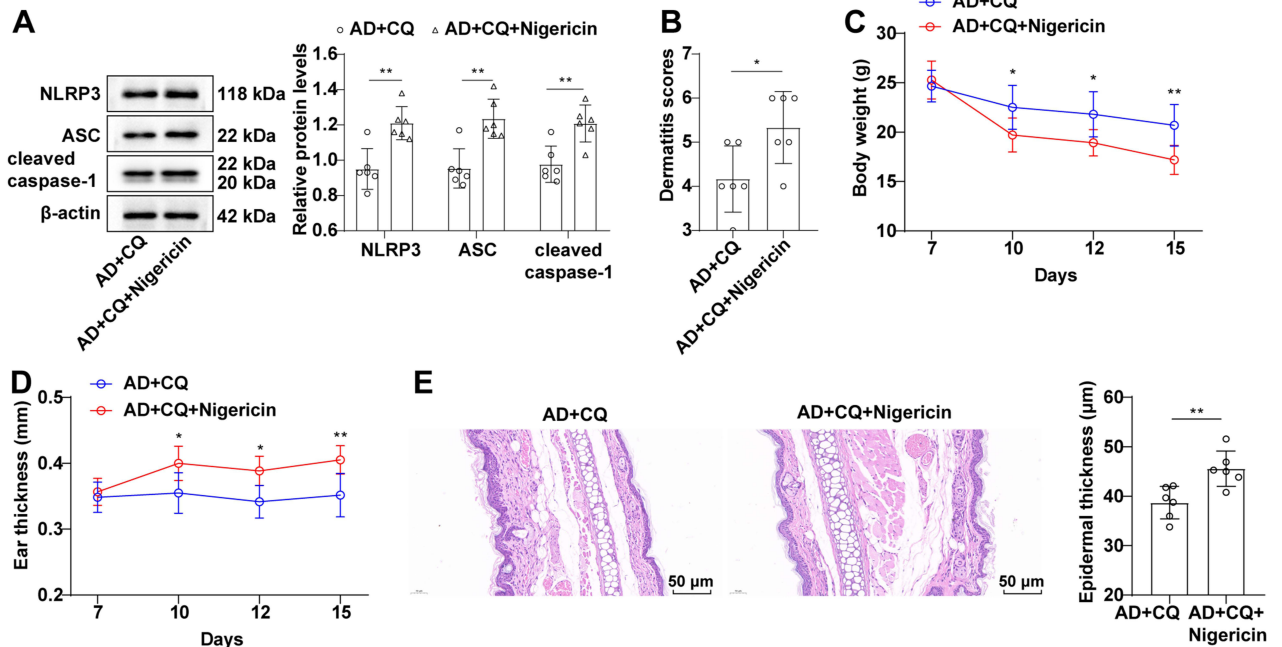
**Figure 1** CQ relieved MC903-induced type 2 inflammatory response in AD mice. **(A)** The severity of ear skin lesions; **(B)** dermatitis severity score; **(C)** left ear thickness; **(D)** H&E staining; **(E)** TB staining; **(F)** ELISA measurements of serum TSLP, IL-4, IL-13, IFN- $\gamma$ , and IgE levels; **(G)** flow cytometry to determine the content of peripheral blood Th2 cells (CD3+CD4+CD193+). N = 6. Data were represented as mean  $\pm$  standard deviation, one-way ANOVA was for data comparisons in panels A/D-G, with Tukey's test serving for post hoc testing. ns represented  $P > 0.05$ , \* $P < 0.05$ , \*\* $P < 0.01$ , and \*\*\* $P < 0.001$ . Two-way ANOVA was adopted in panels B-C, and Tukey's multiple comparisons test was implemented for post hoc test. \*Represented comparisons with the Control group, \* $P < 0.05$ , \*\*\* $P < 0.001$ , #Represented comparisons with the AD group, # $P < 0.05$ , ## $P < 0.01$ .



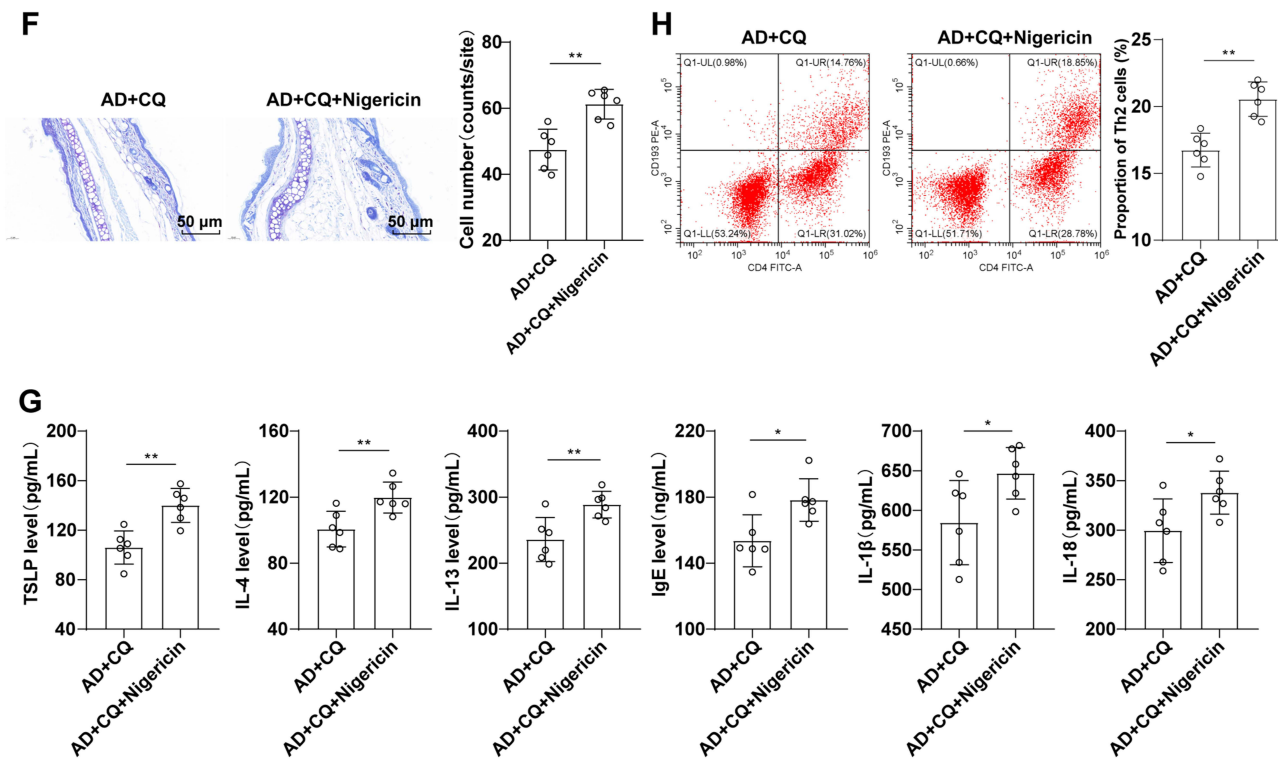
**Figure 2** Continued.



**Figure 2** CQ abated type 2 inflammatory response in AD mice by inactivating TLR3. (A) Western blot detection of TLR3 protein expression; (B) the severity of ear skin lesions; (C) dermatitis severity score; (D) left ear thickness; (E) H&E staining; (F) TB staining; (G) ELISA detections of serum TSLP, IL-4, IL-13, IFN- $\gamma$ , and IgE levels; (H) flow cytometry to assess the content of Th2 cells (CD3+CD4+CD193+). N = 6. Data were represented as mean  $\pm$  standard deviation. Data in panel A were tested by one-way ANOVA, followed by post hoc testing using Tukey's test. Two-way ANOVA was used for panels (C and D), and Šidák's multiple comparisons test was used for post hoc test. Data in panels B/E-H were examined by independent sample *t*-test. ns represented  $P > 0.05$ , \* $P < 0.05$ , \*\* $P < 0.01$ , \*\*\* $P < 0.001$ .



**Figure 4** Continued.



**Figure 4** Activation of NLRP3 partially averted the alleviating effect of CQ on type 2 inflammatory response in AD mice. (A) Western blot to test the expression levels of NLRP3, ASC and cleaved caspase-1 proteins; (B) the severity of ear skin lesions; (C) dermatitis severity score; (D) left ear thickness; (E) H&E staining; (F) TB staining; (G) ELISA detection of serum TSLP, IL-4, IL-13, IgE, IL-1β and IL-18 levels; (H) flow cytometry to assess the content of Th2 cells (CD3+CD4+CD193+). N = 6. Data were represented as mean ± standard deviation, and independent sample t-test was employed for comparisons in panels A-B/E-H. Two-way ANOVA was used in panels C-D, and Šidák's multiple comparisons test was conducted for post hoc test. \*P < 0.05, \*\*P < 0.01.

These corrections do not significantly impact the overall findings and conclusions of the paper. We would like to assure readers that the corrected values and labels do not alter the interpretations or validity of the research. The authors sincerely apologize for any confusion these errors may have caused.

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