



Fig. S1. Comparison of psoriasisiform dermatitis in wild-type (WT) vs. *Alox5*^{-/-} mice in the Aldara-induced psoriasisiform dermatitis model. (A) Clinical severity of psoriasisiform dermatitis in WT vs. *Alox5*^{-/-} mice. Data are presented as mean ± SEM of 4–5 mice per group. Groups were tested for statistical significance by two-way ANOVA. There were no significant differences between the 2 groups. (B) Representative clinical picture of skin of WT and *Alox5*^{-/-} mice on day 0 before application of Aldara and on day 5. (C) Representative histopathology (H&E stained) from untreated and Aldara-treated WT and *Alox5*^{-/-} mice on day 6. (D) Epidermal thickness (µm) of untreated (C) and treated (Ald.) WT and *Alox5*^{-/-} mice on day 6. Data were evaluated using Kruskal-Wallis analysis with posthoc Dunn's test. (E) Representative pictures of Ki-67 staining in the epidermis of untreated WT mice and Aldara treated WT and *Alox5*^{-/-} mice on day 6. (F) Mean number of Ki-67⁺ cells in the epidermis per µm². Data were analysed by Mann-Whitney-Wilcoxon test. All data shown in this figure are representative for at least 2 independent experiments.