



Fig. S4. Validation of I kappa B kinase ϵ (IKK ϵ) deficiency in *Ikbke*^{tm1Tman} knockout mice at protein and mRNA level. *Ikbke*^{tm1Tman} knockout (KO) and wild-type (WT) mice were treated topically with imiquimod (IMQ) or vehicle (Veh) cream daily for 6 days. (A) Skin from the back of the mice was collected and protein extracted. The isolated protein from 15 KO and 7 WT mice was analysed by Western blotting. β -actin was used as a loading control. (B) Biopsies from the ear of the mice were collected and RNA extracted. The mRNA expression of *Ikbke* was analysed by quantitative PCR (qPCR). *Ubc* mRNA expression was used for normalization. The relative fold induction is presented as mean+standard deviation (SD) of 6 WT and 5 KO mice treated with vehicle and 12 WT and 10 KO mice treated with imiquimod.