



**Fig. S1. Effects of application of Tegaderm™ (TDM) or Perme Roll™ Lite (PMR) on mechanically evoked itch in acetone-diethylether water (AEW)-induced dry skin mice.** AEW treatments were performed twice daily for 8 days. (a) The water- or AEW-treated site was divided into 9 sections. The white region is shaved and the grey region (15-mm square) is the water- or AEW-treated site. (b) The right or left rostral section of the AEW-treated site had a significantly increased alloknesis score compared with the same section of the water-treated site and the other 7 sections of the AEW-treated site,  $n = 4$  (water) and  $n = 12$  (AEW). (c) TDM, PMR, or nothing, with a diameter of 8 mm was applied on the right or left rostral section of the AEW-treated site on the day after last AEW treatment. (d) The alloknesis scores were significantly decreased by the application of film dressings,  $n = 8$  per group. Statistical analyses were performed using one-way analysis of variance (ANOVA) followed by Tukey-Kramer multiple comparisons post-test (\*\* $p < 0.01$ ).