Supplementary material to article by U. Nygaard et al. "The "Alarmins" HMBG1 and IL-33 Downregulate Structural Skin Barrier Proteins and Impair Epidermal Growth"

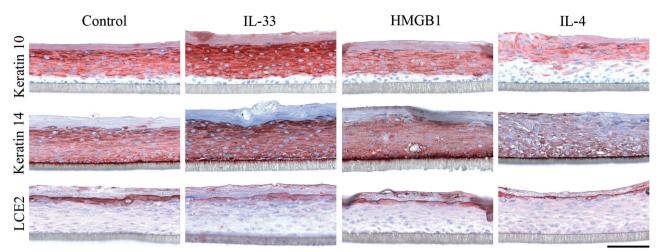


Fig. S4. The protein expression of late cornified envelope 2A protein, keratin 10 and keratin 14 in the upper epidermis of human epidermis equivalents (HEE) (n=7). Representative LCE2A, keratin 10 and keratin 14 immunohistochemical stainings upon interleukin (IL)-33 (100 ng/ml), high mobility group box 1 protein (HMGB1) (100 µM) or IL-4 (50 ng/ml) stimulation. No convincing reduction of LCE2A protein expression was observed from either stimulation. IL-4 stimulation resulted in a clear reduction of keratin 10 staining intensity in the HEE model, whereas keratin 10 and keratin 14 stainings in IL-33 and HGBM1 stimulated equivalents were inconclusive compared with unstimulated controls. Scale bar: 100 µm.