

Table S4: Supplementary table Filaggrin mutations

	n	FLG ^{+/+} median (range)	n	FLG ^{+/-} and FLG ^{-/-} median (range)	
<i>CRS parameters Forearm</i>					
SC thickness [μm]	82	16.5 (13.5-24.2)	10	15.7 (14.1-17.9)	0.058
AUC Water 4-SC [g _w /100g _t]	82	612.7 (478.6-1010.0)	10	584.4 (505.8-674.9)	0.071
Average NMF 4-12μm [a.u.]	82	1.0 (0.6-1.8)	10	0.9 (0.5-1.2)	0.017
Average Cer 4-12μm [a.u.]	82	44.7 (24.6-81.5)	10	44.4 (33.9-56.0)	1
<i>CRS parameters Cheek</i>					
SC thickness [μm]	84	14.1 (10.8-21.5)	10	13.7 (11.6-14.5)	ns.
AUC Water 4-SC [g _w /100g _t]	84	508.9 (393.4-780.4)	10	491.8 (417.7-562.7)	ns.
Average NMF 4-8μm [a.u.]	84	0.8 (0.4-1.5)	10	0.7 (0.5-1.2)	ns.
Average Cer 4-8μm [a.u.]	84	74.7 (35.4-155.1)	10	75.7 (45.1-87.2)	ns.
<i>CRS parameters Thenar</i>					
SC thickness [μm]	85	101.9 (40.1-159.6)	10	66.9 (41.4-120.2)	0.000
AUC Water 10-SC [g _w /100g _t]	85	3917.7 (1401.8-6659.5)	10	2500.0 (1447.8-4279.1)	0.000
Average NMF 10-50μm [a.u.]	85	1.9 (1.1-2.6)	10	0.9 (0.6-1.1)	0.000

a.u.: arbitrary units; *AUC*: area-under-curve; *Cer*: ceramides/fatty acids; *CRS*: confocal Raman micro-spectroscopy; *FLG*^{-/-}: homozygous filaggrin mutation; *FLG*^{+/-}: heterozygous filaggrin mutation; *FLG*^{+/+}: no filaggrin mutation; *g_w/100g_t*: grams of water/100 grams of wet tissue; *ns*: no statistically significant difference; *NMF*: natural moisturizing factor; *SC*: stratum corneum.