

Table SI. Summary of filaggrin protein degradation patterns detected in buccal cells from healthy controls (n=14) and patients with AD (n=26).

Prominent signal	Healthy control, n (%)	Patients with AD, n (%)
AKH1 antibody		
≥ 100 kDa	13 (93)	23 (88)
50 kDa	14 (100)	26 (100)
40 kDa	14 (100)	26 (100)
25 kDa	13 (93)	22 (85)
~ 15 kDa	14 (100)	23 (88)
≤ 10 kDa	7 (50)	5 (19)
Poly19058 antibody		
≥ 100 kDa	14 (100)	22 (85)
70 kDa	14 (100)	25 (96)
40 kDa	2 (14)	2 (8)
20-40 kDa	1 (7)	5 (19)
~ 15 kDa	14 (100)	22 (85)
≤ 10 kDa	7 (50)	1 (4)

Data are presented as n (%), with counts based on prominent band signals observed near each molecular weight. The categorization of ~ 15 kDa for both antibodies is determined by the most consistently prominent bands across all participant samples. Due to observed smearing around the ~ 8 kDa range in some samples, it is uniformly classified as ≤ 10 kDa. AD, atopic dermatitis.