



*Fig. S3.* Ultrastructural examination shows perinuclear cytoplasmic inclusions of variable size (*asterisks*) bounded by rough endoplasmic reticulum within basal keratinocytes of patients (a) 1, (b) 3, and (c, d) 4. Numerous roundish, elongated or branched dense bodies, corresponding to stellate bodies, are visible within the inclusions. Some dense bodies present a cross-banded pattern (d, *arrowheads* in the inset). In patient 1 a cleavage below the lamina densa (a, *arrowheads*) of the cutaneous basement membrane zone is also visible. Bars: (a–c) 2.5  $\mu\text{m}$  and (d) 1.5  $\mu\text{m}$ .