



Fig. S2. Morphological and ultrastructural findings. (A) Conventional histology with subepidermal blister formation without signs of inflammation. (B) Immunohistochemical staining for collagen type IV, forming the base of the subepidermal blister cavity. (C) Electron microscopy of a basal keratinocyte from the patient with decrease in the transmembrane proteins of the hemidesmosomal plate of the patient. (D) Interconnected plaques with intermediate filaments (*yellow*), lamina densa (*green*), integrins (*red*), laminin335 fibrils (*dark blue*), collagen IV (*light blue*) in healthy control skin. (E) Immunofluorescent antigen mapping and detection of a large junctional split (*star*) and reduction in integrin $\alpha 6$ and loss of $\beta 4$ expression, compared with healthy control (F).