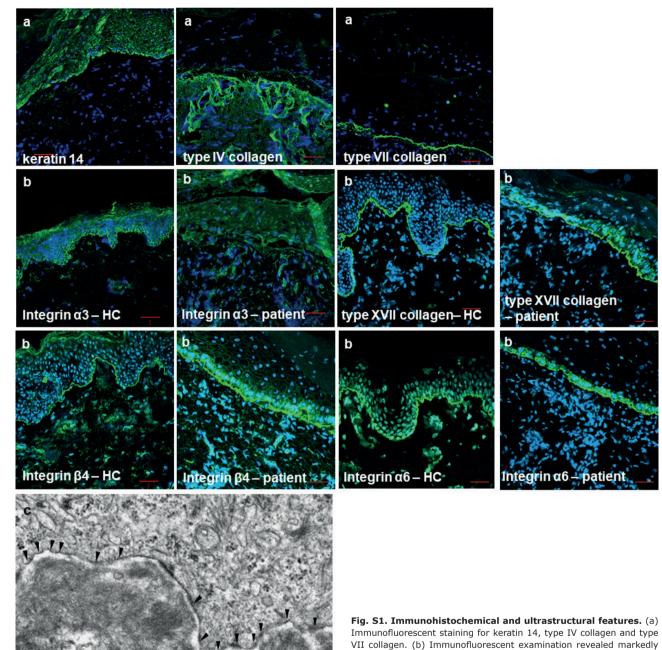
Supplementary material to article by S. G. Lee et al. "Biallelic Missense Mutations in the Integrin Alpha 3 Gene Causes Skin Fragility Without Structural Defects in Lungs and Kidneys"



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Immunofluorescent staining for keratin 14, type IV collagen and type VII collagen. (b) Immunofluorescent examination revealed markedly reduced integrin a3 in the patient skin compared with normal skin, but no difference in expression of hemidesmosomal components, such as type XVII collagen, integrin β 4, and integrin a6. *Bars*=50 µm. (c) Transmission electron microscopy revealed immature hemidesmosomes with thin plaques in the blister roof and separation above the lamina densa (*black arrowheads*). *Bar*=2,000 nm.