



**Fig. S1. Serological diagnostics of autoantibodies in HIV-infected and non-infected patients.** (a, b) Dot blots showing comparative analysis of type VII collagen and envoplakin enzyme-linked immunosorbent assay (ELISA) results between HIV-infected patients and uninfected controls. *Dotted horizontal lines* indicate cut-off values  $\geq 6$  U/ml for type VII collagen and  $\geq 1$  U/ml for envoplakin. *Dots* indicate serum levels of each sample. (c) Serum levels of IgG antibodies against BP180, BP230, DSG1/3, collagen type VII and envoplakin were detected by ELISA. Every row represents a patient; *red units* indicate positive, *grey units* indeterminate and *light-grey units* negative results.