Supplementary material to article by L. den Hollander et al. "Skin Lamellar Bodies are not Discrete Vesicles but Part of a Tubuloreticular Network"

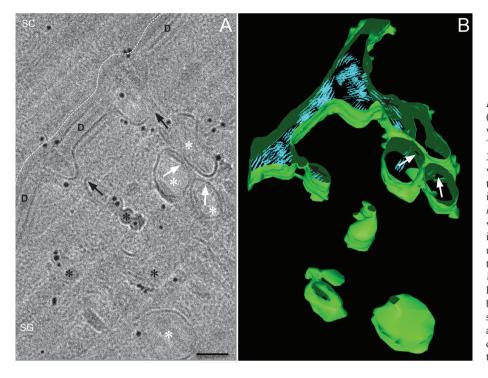


Fig. S2. Enlarged view of the 3-dimensional (3D) reconstructed area marked by a white box in Fig. S1A1 (see Movie SI1 TOVIS.avi). Connections are visible in the 3D-reconstructions of the tomography of vitreous sections (TOVIS) data-set (B) at the positions marked with arrows in the 2D image of the same data (A). White dotted line in (A) marks the interface between viable and cornified epidermis. Black dots in (A) represent 10-nm quantum dots (PbS) used as fiducial markers for alignment of the tilt series images during 3D-reconstruction. White arrows: connections between different lamellar bodies; Black arrows: connections between lamellar bodies and the extra-cellular space between stratum granulosum (SG) and stratum corneum (SC); (D) transition desmosomes located between the SG and the SC; Scale bar: 100 nm.