



Fig. S3. Comparison of the lamellar body ultrastructure in cryo-electron microscopy of vitreous sections (CEMOVIS), focused ion beam scanning electron microscopy (FIB-SEM) and freeze-substitution serial section electron tomography (FS-SET) at the interface between stratum granulosum (SG) and stratum corneum (SC). (A–C): CEMOVIS 2D micrographs. (D–F): FIB-SEM micrographs. (G–I): 0.8-nm thick optical slices of a 400-nm thick FS-SET IMOD 3D-reconstruction. Note the similarity in lamellar body dimensions between (A–C) CEMOVIS, (D–F) FIB-SEM and (G–I) FS-SET. *White dotted lines* mark the interfaces between SG and SC. *Black asterisk*: lamellar bodies; *Scale bars* in (A–C): 150 nm; *Scale bars* in (D–F): 300 nm; *Scale bars* in (G–I): 100 nm.