Supplementary Figure legends

Supplemental Fig 1. Representation of cell layers in electron microscopy images of stratified epithelium. Corneas from $EXT^{f/f}$ and $EXT^{\DeltaCEpI}$ mice were collected at P55. Mice were induced at P21. $EXT^{\DeltaCEpI}$ mice present loss of cell layers when compared to $EXT^{f/f}$ mice. Scale bar: 10 μm.

Supplemental Fig 2. Fibronectin staining during corneal wound healing of $EXT^{f/f}$ and $EXT^{\DeltaCEpI}$ mice. Debridement wounds were performed on P55 $EXT^{f/f}$ and $EXT^{\DeltaCEpI}$ mice induced at P21 and analyzed after 24 hours. Corneas were processed for paraffin sectioning and analyzed for Fibronectin (A and B). (A) Absence of hematoxylin counter stain enables a clearer visualization of DAB staining. (B) Fibronectin staining counter stained with hematoxylin and eosin.