





Supplemental Figure 1

Validation of the skin phenotype and genotype of the p63^{-/-} mice used in this study.

- A) The absence of epidermis was confirmed in p63^{-/-} newborns. Skin from WT and p63^{-/-} mice (P0) stained with H&E.
- B) The genotype of p63^{+/+}, p63^{+/-} and p63^{-/-} mice was confirmed by genomic PCR with primers corresponding to sequences surrounding the deleted region.

Supplemental Figure 2

The phenotype of p63^{-/-}-p73^{-/-} mice is identical to that of p73^{-/-} mice.

Corresponding coronal sections of mouse brains from WT, p63^{-/-}, p73^{-/-} and p63^{-/-}-p73^{-/-} double knockout mice (DKO) at stage P0. The phenotype of DKO is identical to that of p73^{-/-} mice^{5, 6}. (A) SVZ around lateral ventricle. (B) Hippocampus and posterior lateral ventricle. H&E stainings.