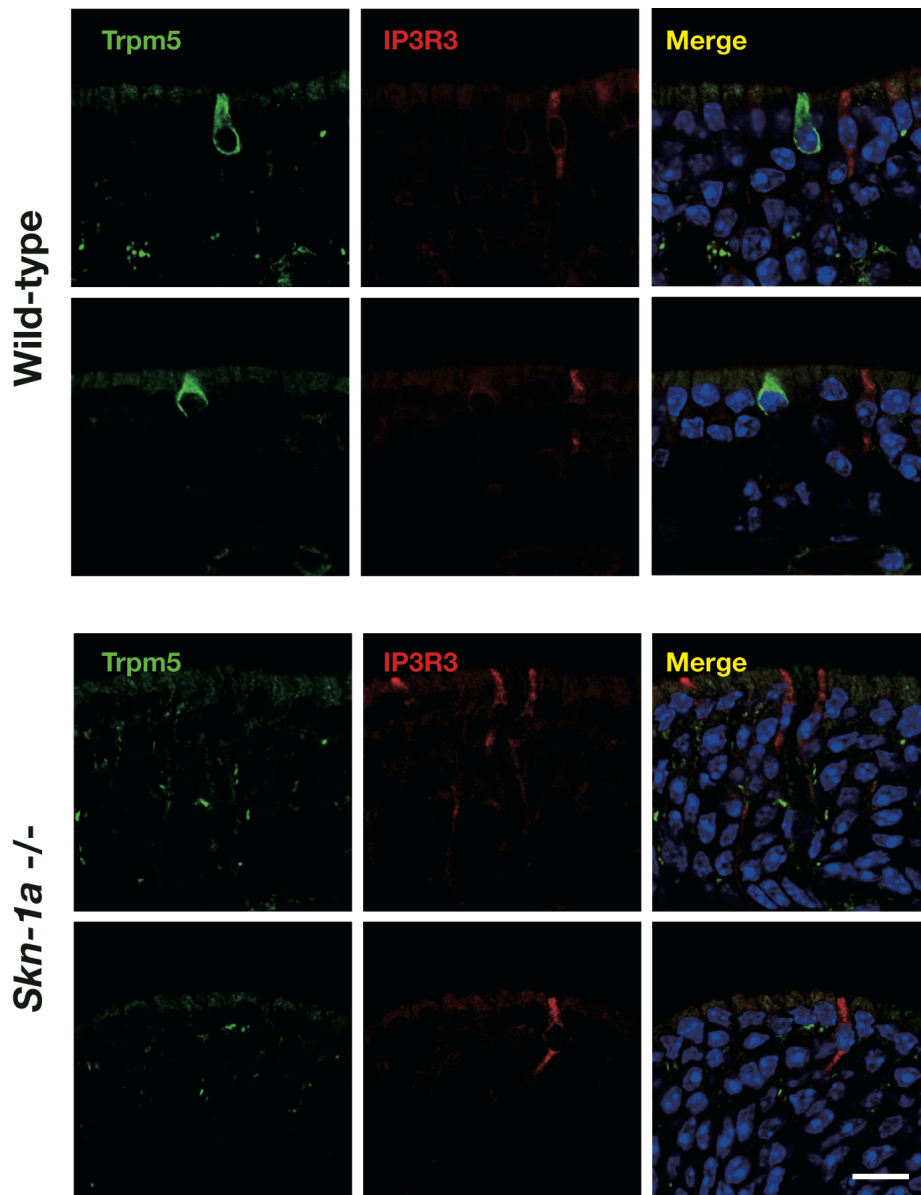


Additional file 2



Supplemental Figure S1. IP₃R3 -positive microvillous cells remained in the *Skn-1a*^{-/-} MOE.

Coronal sections of the wild-type and *Skn-1a*^{-/-} MOE of adult mice were immunostained with an anti-Trpm5 antibody (green) and an anti-IP₃R3 (red). Trpm5-positive cells did not overlap with IP₃R3-positive cells in the wild-type MOE. In the *Skn-1a*^{-/-} MOE, IP₃R3-positive cells were observed, whereas no immunoreactive signal for Trpm5 was detected, indicating that IP₃R3-positive microvillous cells are distinct from Trpm5-microvillous cells and *Skn-1a* is not a critical factor to generate IP₃R3-microvillous cells in the MOE. Scale bars, 10 μ m.