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SUPPLEMENTARY MATERIAL

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Expression of nestin, parvalbumin and otoferlin during cochlear development in the mouse: an immunofluorescence study

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Supplementary Figure S1.

Nestin immunolabeling in the mouse cochlea at P8. **A,B)** A low-magnification view of cross-sections of the P8 mouse cochlea labeled with nestin (green and red) at P8. Nestin was expressed in the Reissner's membrane, the tympanic border cells and the lateral wall of P8. **C)** Detail of nestin (red) labeling in the spiral limbus of P8 mouse cochlea. **D)** Double-labeling with nestin (red) and Sox2 (green) in the basal turn of P8 mouse cochlea revealed that nestin-labeled tympanic border cells included the undersurface of Sox2-labeled the greater epithelial ridge and supporting cells of the organ of Corti. **E,F)** Double-labeling with nestin (red) and Sox2 (green) in the spiral ganglion neurons revealed that the spiral ganglion neurons were negative for nestin. **G-I)** Double-labeling with nestin (green) and synaptophysin (red) in the spiral ganglion neurons revealed that exclusive immunoreactivity for synaptophysin. SV, stria vascularis; SL, the spiral ligament; GER, greater epithelial ridge; SB, the spiral limbus; RM, Reissner's membrane; TBC, tympanic border cells; IHC, inner hair cell; OHC, outer hair cell; PC, Pillar cells.

