



Supplementary Figure 3. Scanning electron micrographs of IHCs and OHCs at equivalent positions in the medial part of the cochlear duct of P30 *Dfnb59*^{+/+} and *Dfnb59*^{tm1Ugds/tm1Ugds} mice. A normal morphology of hair bundles was also observed in the basal portion of the cochlea of wild-type and knock-in mice. Scale bars: 5 μ m.

Figure 3. Genomic structure of *DFNB59*. **(a)** Physical map of the region containing *DFNB59* on chromosome 2q31.1-q31.3 (UCSC database, May 2004 release). The positions of the microsatellite markers genotyped in this work are shown by arrowheads. Known genes within this interval appear as boxes. Scale bar, 1 Mb. **(b)** Exon-intron structure of *DFNB59*, which consists of seven exons (boxes) spanning 9.8 kb. The *DFNB59* coding sequence appears shaded. Asterisks indicate the position of the two missense mutations (p.T54I and p.R183W) identified in patients. Scale bar: 1 kb. **(c)** Sequence electropherograms of wild-type, affected, and carrier individuals for each of the two *DFNB59* mutations (T54I and R183W) described in this work.