



Extended Data Figure 8 | RNP delivery of Cas9-sgRNA-lipid complexes results in genome editing in adult hair cells. Six-week-old adult Atoh1-GFP cochlea were injected with 1 μ l 25 μ M Cas9-GFP sgRNA-lipid complex by canalostomy, with the cochlea removed two weeks after injection. **a**, Genome editing was detected by the loss of GFP (green, with GFP absence noted using cyan shapes) in inner hair cells (IHCs)

and outer hair cells (OHCs). **b**, Hair cells were labelled with the hair cell marker MYO7A (red) in the apex turn of cochlea. **c**, **d**, In uninjected contralateral Atoh1-GFP cochlea, all hair cells were GFP-positive. Scale bars, 10 μ m. Similar results were observed in other injected ears that were immunolabelled ($n = 3$).