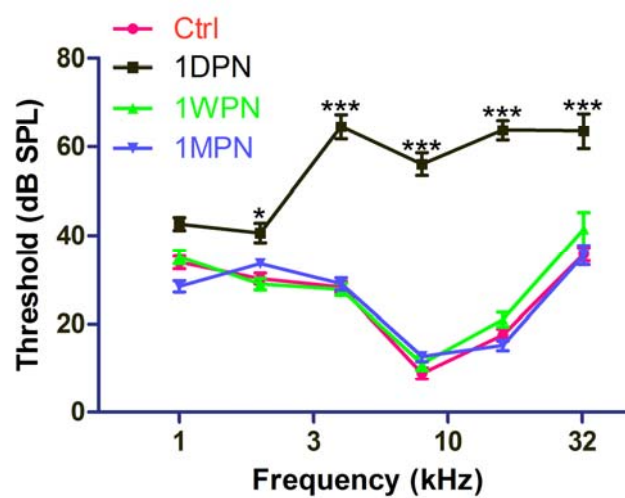


Supplementary materials

Title: Coding deficits in hidden hearing loss induced by noise: the nature and impacts

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sFigure 1. The threshold-frequency curves (audiograms) obtained with the test of auditory brainstem responses. A two-way ANOVA shows a significant effect of noise ($F_3=318.57$, $p<0.01$). This was only due to the elevated thresholds at 1DPN as evident by the post-hoc pairwise comparison between 1DPN and the control data: $q=34.943$, $p<0.001$). *: $p,0.05$, ***: $p<0.001$.

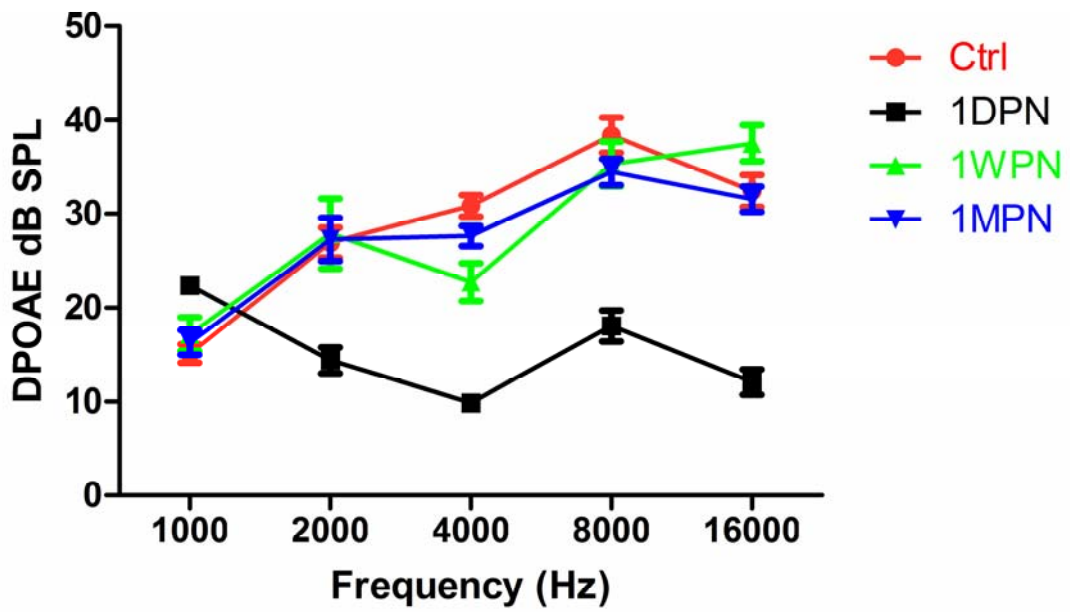


Figure 2. DPOAE changes after the noise exposure, showing a transient depression of DPOAE amplitude at 1DPN and a total recovery tested later.

A: PSTH for paired clicks

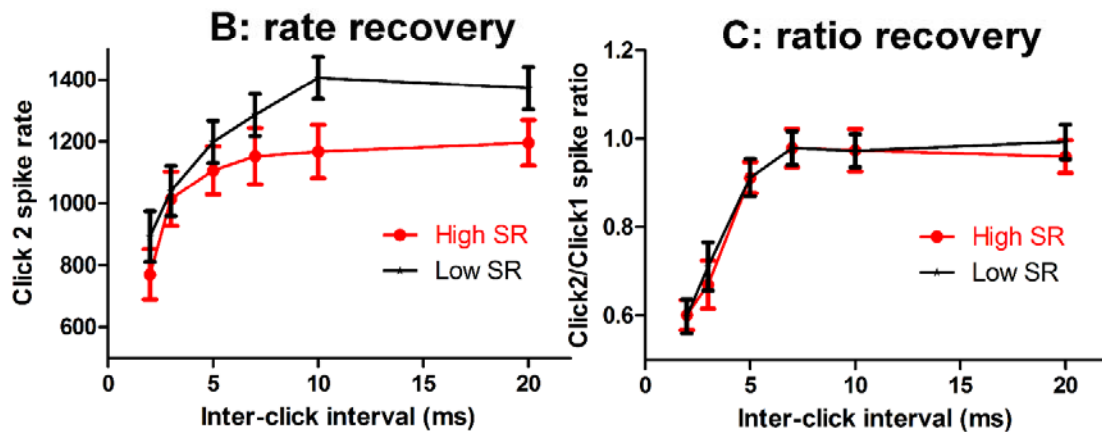
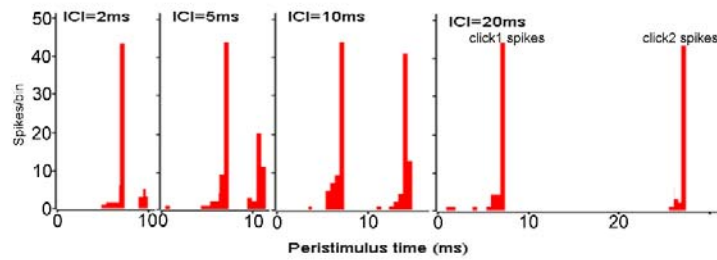


Figure 3. Recovery functions of ANF responses to the second click in paired-click regime. A: Selected PSTHs of ANF responses to paired clicks showing the spike rate decrease with inter-click interval (ICI). B: the recovery of spike rates evoked by the second click as a function of ICI. C: the recovery of the ratio of 2nd click spike rate/first click spike rate.