

Homeostatic plasticity and synaptic scaling in the adult mouse auditory cortex

Running title: Homeostatic plasticity in the auditory cortex

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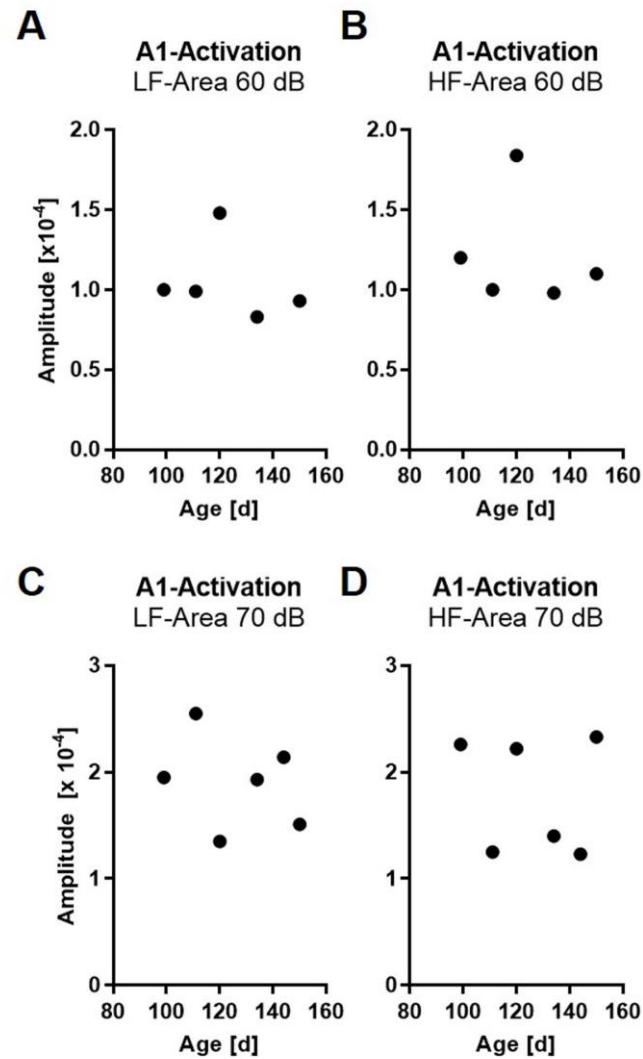
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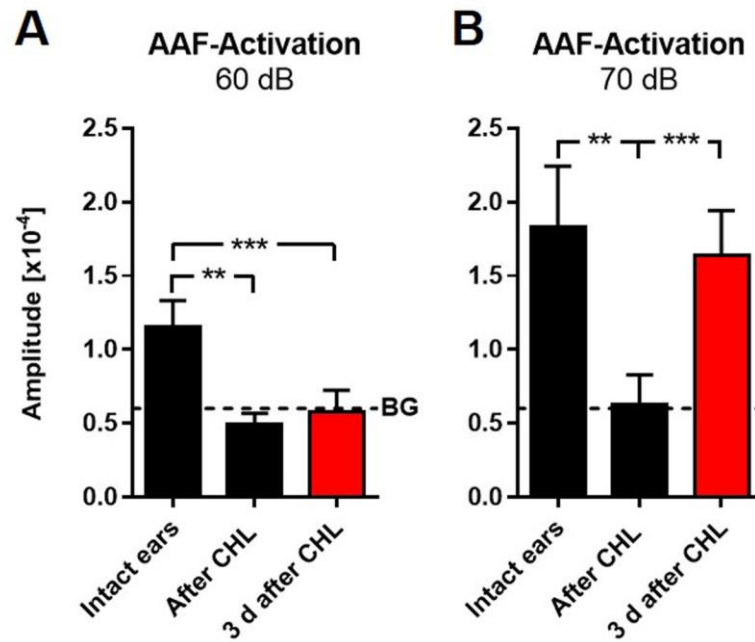
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Supplementary Figure 1: No age related changes of sound evoked A1 responses. (A, B, C, D) A1 LF and A1 HF activity evoked by sounds at 60 dB and 70 dB SPL was blotted against the age of the animals. Filled circles represent measurements of individual animals (60 dB, $n = 5$; 70 dB, $n = 6$).



Supplementary Figure 2: Recovery of evoked AAF responsiveness 3 d after CHL revealed by intrinsic signal imaging. **(A)** Responsiveness of the AAF to auditory stimuli of 60 dB SPL was completely abolished directly after CHL and remained at this level at 3 d after CHL (intact ears and after CHL: $n = 5$; 3 d after CHL: $n = 6$). **(B)** Activity levels of AAF evoked by sound sweeps of 70 dB SPL were also reduced after CHL (70 dB, intact ears and after CHL: $n = 6$). However, sound evoked activation significantly recovered 3 d after CHL (70 dB, 3 d after CHL: $n = 6$). Data are presented as means $\pm$ SD, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$