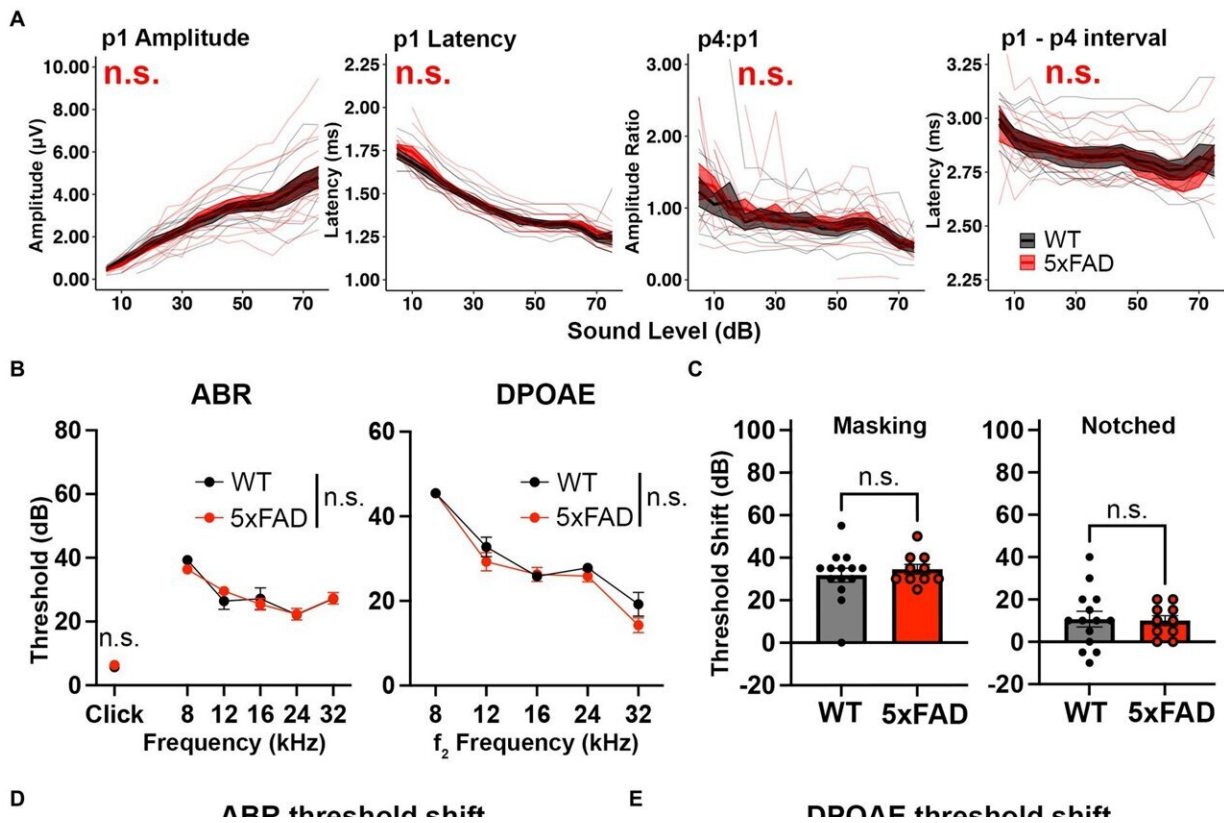


A chance observation finds potential hearing biomarker for Alzheimer's disease

June 7 2023, by Kelsie Smith Hayduk



5xFAD transgenic mice have increased central gain and hearing loss severity. Auditory test results of (A–F) 5xFAD (red) at 12 months of age (12 M) (WT $n = 13$, 5xFAD $n = 15$), and (G–J) for APP/PS1 (magenta) at 13 M (WT $n = 8$, APP/PS1 $n = 9$). (A–J) Corresponding wild-type (WT) littermate data (black). (A) ABR and (B) DPOAE thresholds are expressed as the mean \pm SEM. (C–J) Wave I (p1) amplitude, latency, wave IV to I amplitude ratio (p4:p1) and wave I to wave IV interpeak latency of click-evoked ABRs. Asterisks denote significant differences between genotypes: no significance (n.s.), $p \geq 0.05$; * p

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