

Supplemental Table 1. Statistical differences between generations of $+/dfw^{i5}$ and controls.

	5.6 kHz	8 kHz	11.3 kHz	16 kHz	22.6 kHz	32 kHz	40 kHz
$+/+$ vs N3 $+/-$	n.s.	n.s.	n.s.	***	***	***	***
$+/+$ vs N4 $+/-$	***	**	*	***	***	***	***
$+/+$ vs N5 $+/-$	***	**	**	***	***	***	***
$+/+$ vs N6 $+/-$	n.s.	n.s.	n.s.	*	***	***	***
$+/+$ vs N10 $+/-$	n.s.	n.s.	n.s.	n.s.	***	***	***
N4 vs N5 ($+/+$)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N5 vs N6 ($+/+$)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N6 vs N10 ($+/+$)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N3 vs N4 ($+/-$)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N4 vs N5 ($+/-$)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
N5 vs N6 ($+/-$)	*	**	***	***	***	n.s.	n.s.
N6 vs N10 ($+/-$)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.

A comparison of heterozygotes at each generation compared to grouped controls (n = 30) shows loss at many or all frequencies for mice in N3 (n = 3), N4 (n = 6) and N5 (n = 5). In N6 (n = 9) and N10 (n = 13) heterozygotes, loss was only significant at higher frequencies. Sensitivity in wild-type controls did not significantly change from one generation to the next (there were no N3 wild-type littermates negative at *ahl* to include in this comparison; n = 6 at N4; n = 4 at N5; n = 6 at N6; n = 14 at N10). Thresholds are statistically improved between N5 and N6 for $+/dfw^{i5}$ mice at low and mid-frequencies. All comparisons were done using a two-way ANOVA with a Bonferroni post-test and significance values are indicated by the following: *p < 0.05, **p < 0.01 and ***p < 0.001.