Extended Data Table 1: Sample size and statistics for each figure

Panel	Age	Genotype	Number of gold beads	Number of stereocilia	Number of cells	Number of mice	statistical test	p value	Coefficient of Variation
Fig.1 e	P21	Loxhd1$^{Delta/Delta}$	NA	NA	NA	5	Dunnett's multiple comparisons test after two-way ANOVA	Dunnett's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{4kHz} = 0.2723; ***$p_{5.7kHz}$ = 0.0003; ****p_{8kHz} < 0.0001; ****$p_{11.3kHz}$ < 0.0001; ****p_{16kHz} < 0.0001; ****$p_{22.6kHz}$ < 0.0001; ****p_{32kHz} < 0.0001; ****p_{45kHz} < 0.0001	
		Loxhd1$^{Delta/+}$	NA	NA	NA	6		Dunnett's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$: p_{4kHz} = 0.8548; $p_{5.7kHz}$ = 0.3666; *p_{8kHz} = 0.0215; **$p_{11.3kHz}$ = 0.0015; **p_{16kHz} = 0.0038; **$p_{22.6kHz}$ = 0.0094; **p_{32kHz} = 0.0024; ***p_{45kHz} = 0.0001	
		Loxhd1$^{+/+}$	NA	NA	NA	4		Two-way ANOVA: ****$p_{Genotype}$ < 0.0001, F (2, 96) = 157.6; ****$p_{Frequence}$ < 0.0001, F (7, 96) = 10.31	
Fig.1 f	P21	Loxhd1$^{Delta/Delta}$	NA	NA	NA	5	Dunnett's multiple comparisons test after two-way ANOVA	Dunnett's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{4kHz} > 0.9999; $p_{5.7kHz}$ > 0.9999; **p_{8kHz} = 0.0028; ****$p_{11.3kHz}$ <0.0001; ****p_{16kHz} <0.0001; ****$p_{22.6kHz}$ <0.0001; ****p_{32kHz} <0.0001; **p_{45kHz} = 0.0028	
		Loxhd1$^{Delta/+}$	NA	NA	NA	6		Dunnett's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+;}$ p_{4kHz} > 0.9999; $p_{5.7kHz}$ > 0.9999; *p_{8kHz} = 0.0462; ****$p_{11.3kHz}$ < 0.0001; ****p_{16kHz} < 0.0001; ****$p_{22.6kHz}$ < 0.0001; ****p_{32kHz} < 0.0001; *p_{45kHz} = 0.0204	
		Loxhd1$^{+/+}$	NA	NA	NA	4		Two-way ANOVA: ****$p_{Genotype}$ <0.0001, F (2, 96) = 93.63; ****$p_{Frequence}$ <0.0001, F (7, 96) = 20.57	
Fig. 1 i	P7	Loxhd1$^{+/+}$	NA	NA	11	7	Unpaired two-tailed t test	****p < 0.0001, t (19) = 6.354, F (10, 9) = 1.792	
		Loxhd1$^{Delta/Delta}$	NA	NA	10	10			
Fig. 1 k	P11	Loxhd1$^{+/+}$	NA	NA	9	6	Unpaired two-tailed t test	****p < 0.0001, t (18) = 14.55, F (8, 10) = 1.691	
		Loxhd1$^{Delta/Delta}$	NA	NA	11	9			
Extended Data Figure 2 a	P7	Loxhd1$^{+/+}$	NA	NA	11	4	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.4263; p_{P11} > 0.9999; p_{P21} = 0.2577; p_{P60} = 0.5925	
		Loxhd1$^{Delta/Delta}$	NA	NA	12	4			
	P11	Loxhd1$^{+/+}$	NA	NA	13	5			
		Loxhd1$^{Delta/Delta}$	NA	NA	12	5			
	P21	Loxhd1$^{+/+}$	NA	NA	9	4			
		Loxhd1$^{Delta/Delta}$	NA	NA	12	3			
	P60	Loxhd1$^{+/+}$	NA	NA	5	1		Two-way ANOVA: $p_{Genotype}$ = 0.5071, F (1, 71) = 0.4444; **p_{Age} = 0.0020, F (3, 73) = 5.443	
		Loxhd1$^{Delta/Delta}$	NA	NA	6	2			
Extended Data Figure 2 b	P7	Loxhd1$^{+/+}$	NA	NA	11	4	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.9998; p_{P11} = 0.9788; p_{P21} = 0.7665; p_{P60} = 0.1898	
		Loxhd1$^{Delta/Delta}$	NA	NA	12	4			
	P11	Loxhd1$^{+/+}$	NA	NA	13	5			
		Loxhd1$^{Delta/Delta}$	NA	NA	12	5			
	P21	Loxhd1$^{+/+}$	NA	NA	9	4			
		Loxhd1$^{Delta/Delta}$	NA	NA	12	3			
	P60	Loxhd1$^{+/+}$	NA	NA	5	1		Two-way ANOVA: $p_{Genotype}$ = 0.6393, F (1, 71) = 0.2215; ****p_{Age} < 0.0001, F (3, 73) = 13.96	
		Loxhd1$^{Delta/Delta}$	NA	NA	6	2			
Extended Data Figure 2 c	P7	Loxhd1$^{+/+}$	NA	NA	11	4	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.8497; p_{P11} = 0.6510; ****p_{P21} < 0.0001; ****p_{P60} < 0.0001	
		Loxhd1$^{Delta/Delta}$	NA	NA	12	4			
	P11	Loxhd1$^{+/+}$	NA	NA	13	5			
		Loxhd1$^{Delta/Delta}$	NA	NA	12	5			
	P21	Loxhd1$^{+/+}$	NA	NA	9	4			
		Loxhd1$^{Delta/Delta}$	NA	NA	12	3			
	P60	Loxhd1$^{+/+}$	NA	NA	5	1		Two-way ANOVA: ****$p_{Genotype}$ <0.0001, F (1, 73) = 168.2; ****p_{Age} <0.0001, F (3, 73) = 211.5	
		Loxhd1$^{Delta/Delta}$	NA	NA	6	2			
Extended Data Figure 2 d	P7	Loxhd1$^{+/+}$	NA	185	11	4	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.0658; p_{P11} = 0.9971; ****p_{P21} < 0.0001; ****p_{P60} < 0.0001	
		Loxhd1$^{Delta/Delta}$	NA	204	12	4			
	P11	Loxhd1$^{+/+}$	NA	194	13	5			
		Loxhd1$^{Delta/Delta}$	NA	183	12	5			
	P21	Loxhd1$^{+/+}$	NA	133	9	4			
		Loxhd1$^{Delta/Delta}$	NA	198	12	3			
	P60	Loxhd1$^{+/+}$	NA	77	5	1		Two-way ANOVA: $p_{Genotype}$ < 0.0001, F (1, 1267) = 40.94; ****p_{Age} < 0.0001, F (3, 1267) = 473.1	
		Loxhd1$^{Delta/Delta}$	NA	101	6	2			
Extended Data Figure 2 e	P7	Loxhd1$^{+/+}$	NA	162	11	4	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.5768; *p_{P11} = 0.0117; p_{P21} = 0.2673; ****p_{P60} < 0.0001	
		Loxhd1$^{Delta/Delta}$	NA	180	12	4			
	P11	Loxhd1$^{+/+}$	NA	188	13	5			
		Loxhd1$^{Delta/Delta}$	NA	186	12	5			
	P21	Loxhd1$^{+/+}$	NA	132	9	4			
		Loxhd1$^{Delta/Delta}$	NA	184	12	3			

	P60	Loxhd1$^{+/+}$	NA	71	5	1		Two-way ANOVA: ****$p_{Genotype}$ <0.0001, F (1, 1193) = 63.38; ****p_{Age} <0.0001, F (3, 1193) = 20.86	
		Loxhd1$^{Delta/Delta}$	NA	98	6	2			
Extended Data Figure 2 f	P7	Loxhd1$^{+/+}$	NA	222	11	4	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.8497; p_{P11} = 0.6510; ****p_{P21} < 0.0001; p_{P60} = 0.0693	
		Loxhd1$^{Delta/Delta}$	NA	264	12	4			
	P11	Loxhd1$^{+/+}$	NA	262	13	5			
		Loxhd1$^{Delta/Delta}$	NA	236	12	5			
	P21	Loxhd1$^{+/+}$	NA	143	9	4			
		Loxhd1$^{Delta/Delta}$	NA	153	12	3			
	P60	Loxhd1$^{+/+}$	NA	61	5	1		Two-way ANOVA: ****$p_{Genotype}$ <0.0001, F (1, 1335) = 54.60; ****p_{Age} <0.0001, F (3, 1335) = 96.92	
		Loxhd1$^{Delta/Delta}$	NA	2	2	2			
Extended Data Figure 2 g	P7	Loxhd1$^{+/+}$	NA	20	4	4	NA	NA	
		Loxhd1$^{Delta/Delta}$	NA	20	4	3			
	P11	Loxhd1$^{+/+}$	NA	19	4	3			
		Loxhd1$^{Delta/Delta}$	NA	20	4	3			
	P21	Loxhd1$^{+/+}$	NA	17	4	4			
		Loxhd1$^{Delta/Delta}$	NA	20	4	3			
	P60	Loxhd1$^{+/+}$	NA	12	3	1			
		Loxhd1$^{Delta/Delta}$	NA	20	4	1			
Extended Data Figure 2 i	P7	Loxhd1$^{+/+}$	NA	151	9	2	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.1778; p_{P11} = 0.3465; p_{P21} = 0.9892; ***p_{P60} = 0.0008	16.90%
		Loxhd1$^{Delta/Delta}$	NA	202	12	3			19.31%
	P11	Loxhd1$^{+/+}$	NA	111	7	1			13.31%
		Loxhd1$^{Delta/Delta}$	NA	127	7	1			24.90%
	P21	Loxhd1$^{+/+}$	NA	112	7	1			17.08%
		Loxhd1$^{Delta/Delta}$	NA	109	7	1			36.19%
	P60	Loxhd1$^{+/+}$	NA	89	6	1		Two-way ANOVA: *$p_{Genotype}$ = 0.0224, F (1, 999) = 5.228; ****p_{Age} < 0.0001, F (3, 999) = 7.643	19.75%
		Loxhd1$^{Delta/Delta}$	NA	106	7	1			40.28%
Extended Data Figure 2 j	P7	Loxhd1$^{+/+}$	NA	151	9	2	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$: p_{P7} = 0.2680; *p_{P11} = 0.0183; p_{P21} = 0.4764; ****p_{P60} < 0.0001	30.16%
		Loxhd1$^{Delta/Delta}$	NA	202	12	3			42.34%
	P11	Loxhd1$^{+/+}$	NA	111	7	1			23.06%
		Loxhd1$^{Delta/Delta}$	NA	127	7	1			62.56%
	P21	Loxhd1$^{+/+}$	NA	112	7	1			50.43%
		Loxhd1$^{Delta/Delta}$	NA	109	7	1			74.98%
	P60	Loxhd1$^{+/+}$	NA	89	6	1		Two-way ANOVA: *$p_{Genotype}$ < 0.0001, F (1, 999) = 34.42; ****p_{Age} < 0.0001, F (3, 999) = 15.32	56.49%
		Loxhd1$^{Delta/Delta}$	NA	106	7	1			96.85%
Extended Data Figure 3 b	P30	Loxhd1$^{HA/HA}$	NA	NA	NA	3	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{HA/HA}$ vs. Loxhd1$^{+/+}$: p_{4kHz} = 0.9961; $p_{5.7kHz}$ > 0.9999; p_{8kHz} = 0.9995; $p_{11.3kHz}$ = 0.9831; p_{16kHz} = 0.8889; $p_{22.6kHz}$ = 0.9831; p_{32kHz} > 0.9999; p_{45kHz} > 0.9999	
		Loxhd1$^{+/+}$	NA	NA	NA	4		Two-way ANOVA: $p_{Genotype}$ = 0.2594, F (1, 40) = 1.309; ****$p_{Frequence}$ < 0.0001, F (7, 40) = 57.32	
Extended Data Figure 3 c	P30	Loxhd1$^{HA/HA}$	NA	NA	NA	3	Šídák's multiple comparisons test after two-way ANOVA	Šídák's multiple comparisons test: Loxhd1$^{HA/HA}$ vs. Loxhd1$^{+/+}$: p_{4kHz} > 0.9999; $p_{5.7kHz}$ > 0.9999; p_{8kHz} = 0.7249; $p_{11.3kHz}$ > 0.9999; p_{16kHz} = 0.8729; $p_{22.6kHz}$ = 0.9996; p_{32kHz} = 0.9934; p_{45kHz} > 0.9999	
		Loxhd1$^{+/+}$	NA	NA	NA	4		Two-way ANOVA: $p_{Genotype}$ = 0.4397, F (1, 40) = 0.6090; ****$p_{Frequence}$ < 0.0001, F (7, 40) = 138.7	
Fig. 2 b	P7	Loxhd1$^{+/+}$	NA	NA	12	4	Tukey's multiple comparisons test after ordinary one-way ANOVA	ANOVA: ***p = 0.0008, F (2, 30) = 9.217; Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.9156; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ **p = 0.0012; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ **p = 0.0031	
		Loxhd1$^{Delta/+}$	NA	NA	11	4			
		Loxhd1$^{Delta/Delta}$	NA	NA	9	3			
	P11	Loxhd1$^{+/+}$	NA	NA	9	3	Tukey's multiple comparisons test after ordinary one-way ANOVA	ANOVA: ****p < 0.0001, F (2, 48) = 52.83; Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.7631; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ ****p < 0.0001; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ ****p < 0.0001	
		Loxhd1$^{Delta/+}$	NA	NA	23	8			
		Loxhd1$^{Delta/Delta}$	NA	NA	18	6			
	P21	Loxhd1$^{+/+}$	NA	NA	9	4	Tukey's multiple comparisons test after ordinary one-way ANOVA	ANOVA: ****p < 0.0001, F (2, 35) = 88.29; Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.4366; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ ****p < 0.0001; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ ****p < 0.0001	
		Loxhd1$^{Delta/+}$	NA	NA	12	4			
		Loxhd1$^{Delta/Delta}$	NA	NA	17	3			
	P7	Loxhd1$^{+/+}$	NA	NA	15	3	Tukey's multiple comparisons	ANOVA: p = 0.2265, F (2, 44) = 1.536; Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.5528;	
		Loxhd1$^{Delta/+}$	NA	NA	15	3			

Fig. 2 d		Loxhd1$^{Delta/Delta}$	NA	NA	14	4	test after ordinary one-way ANOVA	Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ p = 0.2003; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ p = 0.7835
	P11	Loxhd1$^{+/+}$	NA	NA	14	3	Tukey's multiple comparisons test after ordinary one-way ANOVA	ANOVA: p = 0.6842, F (2, 40) = 0.3831; Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.8188; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ p = 0.9618; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ p = 0.6597
		Loxhd1$^{Delta/+}$	NA	NA	9	3		
		Loxhd1$^{Delta/Delta}$	NA	NA	20	4		
Fig. 2 f	P11	Loxhd1$^{+/+}$	NA	NA	23	4	Unpaired two-tailed t test	****p < 0.0001, t (44) = 7.270 , F(22, 22) = 1.183
		Loxhd1$^{Delta/Delta}$	NA	NA	23	4		
Extended Data Figure 4 d	P11	Loxhd1$^{+/+}$	NA	NA	31	4	Unpaired two-tailed t test	p = 0.1885, t (60) = 1.330, F(30, 30) = 1.054
		Loxhd1$^{Delta/Delta}$	NA	NA	31	4		
Fig. 3 b	P21 row 2	Loxhd1$^{+/+}$	62	40	13	1	NA	NA
	P21 row 3	Loxhd1$^{+/+}$	77	45	13	1		
Fig. 3 f	P7	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	168	113	18	2	NA	NA
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	194	146	45	3		
	P11	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	204	144	25	2		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	62	51	16	2		
	P21	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	62	40	13	1		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	37	30	19	2		
Fig. 3 g	P11	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	135	117	26	2	NA	NA
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	12	12	14	2		
	P21	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	77	45	13	1		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	0	0	19	2		
Fig. 3 h	P7	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	NA	259	18	2	NA	NA
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	NA	585	45	3		
		Tmc1$^{+/+}$; Loxhd1$^{+/+}$	NA	166	16	1		
	P11	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	NA	288	25	2		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	NA	271	16	2		
		Tmc1$^{+/+}$; Loxhd1$^{+/+}$	NA	159	13	1		
	P21	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	NA	131	13	1		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	NA	176	19	2		
		Tmc1$^{+/+}$; Loxhd1$^{+/+}$	NA	130	14	1		
		Tmc1$^{+/+}$; Loxhd1$^{Delta/Delta}$	NA	160	19	2		
Fig. 3 i	P11	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	NA	359	26	2	NA	NA
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	NA	274	14	1		
		Tmc1$^{+/+}$; Loxhd1$^{+/+}$	NA	148	13	1		
	P21	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	NA	161	13	1		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	NA	85	19	2		
		Tmc1$^{+/+}$; Loxhd1$^{+/+}$	NA	121	14	1		
		Tmc1$^{+/+}$; Loxhd1$^{Delta/Delta}$	NA	65	11	1		
Extended Data Figure 6 b	P7 apical	Loxhd1$^{+/+}$	NA	NA	36	4	Tukey's multiple comparisons test after two-way ANOVA	Apical: Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.9447; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ **p = 0.0019; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ ***p = 0.0006
		Loxhd1$^{Delta/+}$	NA	NA	36	4		
		Loxhd1$^{Delta/Delta}$	NA	NA	27	3		Medial: Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ p = 0.1938; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ ****p < 0.0001; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ ****p < 0.0001
	P7 medial	Loxhd1$^{+/+}$	NA	NA	36	4		
		Loxhd1$^{Delta/+}$	NA	NA	36	4		Basal: Tukey's multiple comparisons test: Loxhd1$^{Delta/+}$ vs. Loxhd1$^{+/+}$ ****p < 0.0001; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{+/+}$ ****p < 0.0001; Loxhd1$^{Delta/Delta}$ vs. Loxhd1$^{Delta/+}$ ****p < 0.0001
		Loxhd1$^{Delta/Delta}$	NA	NA	27	3		
	P7 Basal	Loxhd1$^{+/+}$	NA	NA	36	4		Two-way ANOVA: ****$p_{Genotype}$ <0.0001, F (2, 288) = 86.73; ****$p_{Position}$ <0.0001, F (2, 288) = 94.84
		Loxhd1$^{Delta/+}$	NA	NA	36	4		
		Loxhd1$^{Delta/Delta}$	NA	NA	27	3		
Extended Data Figure 6 d	P7 row 2	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	517	300	38	2	NA	NA
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	159	113	45	2		
	P7 row 3	Tmc1$^{HA/HA}$; Loxhd1$^{+/+}$	445	300	39	2		
		Tmc1$^{HA/HA}$; Loxhd1$^{Delta/Delta}$	95	75	34	2		

Extended Data Figure 6 e	P7 row 2	$Tmc1^{HA/HA}$; $Loxhd1^{+/+}$	NA	551	38	2	NA	NA
		$Tmc1^{HA/HA}$; $Loxhd1^{Delta/Delta}$	NA	439	35	3		
		$Tmc1^{+/+}$; $Loxhd1^{+/+}$	NA	616	38	1		
Extended Data Figure 6 f	P7 row 3	$Tmc1^{HA/HA}$; $Loxhd1^{+/+}$	NA	606	39	2	NA	NA
		$Tmc1^{HA/HA}$; $Loxhd1^{Delta/Delta}$	NA	514	35	3		
		$Tmc1^{+/+}$; $Loxhd1^{+/+}$	NA	771	35	1		
Fig. 4 b	P21	$Loxhd1^{Delta/+}$	NA	NA	8	2	Tip: Mann-Whitney test, two-tailed	****p_{Tip} < 0.0001, U = 0
							Tip + Shaft: Mann-Whitney test, two-tailed	$p_{Tip + Shaft}$ = 0.6093, U = 41
		$Loxhd1^{Delta/Delta}$	NA	NA	12	3	Shaft: Mann-Whitney test, two-tailed	****p_{Shaft} < 0.0001, U = 0
							No Signal: Mann-Whitney test, two-tailed	****$p_{No signal}$ = 0.0006, U = 8
Fig. 4 d	P21 row 2	$Loxhd1^{+/+}$	858	266	42	4	NA	NA
		$Loxhd1^{Delta/Delta}$	438	168	34	2		
Fig. 4 e	P21 row 3	$Loxhd1^{+/+}$	303	155	42	4	NA	NA
		$Loxhd1^{Delta/Delta}$	4	4	34	2		
Fig. 4 f	P7 row 2	$Tmc1^{HA/HA}$; $Loxhd1^{+/+}$	NA	346	40	4	NA	NA
		$Tmc1^{HA/HA}$; $Loxhd1^{Delta/Delta}$	NA	289	33	2		
Fig. 4 g	P7 row 3	$Tmc1^{HA/HA}$; $Loxhd1^{+/+}$	NA	280	32	4	NA	NA
		$Tmc1^{HA/HA}$; $Loxhd1^{Delta/Delta}$	NA	70	32	2		
			Number of detached tip with gold	**Number of detached tip**	**Number of cells**	**Number of mice**		
Fig. 5 f	P18-P22	$Loxhd1^{HA/HA}$	31	54	17	2	NA	NA
		WT	0	11	5	1	NA	NA
		$Tmc1^{HA/HA}$	34	44	10	2	NA	NA
		WT anti-BAIAP2L2	1	42	14	2	NA	NA