|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ANOVA** | | **IHC** | | | | | |
|  | IHC | OHC | 1-2 kHz | 1-4 kHz | 1-15 kHz | 2-4kHz | 2-15 kHz | 4-15 kHz |
|  | **\*\*\**p* =**  **5.0×10-13** | **\*\*\**p* =**  **1.7×10-15** | *p* =  3.8×10-1 | **\*\*\**p* =**  **6.4×10-5** | **\*\*\**p* =**  **3.1×10-8** | **\*\*\**p* =**  **1.5×10-4** | **\*\*\**p* =**  **1.8×10-7** | **\*\**p* =**  **5.1×10-3** |
|  | **OHC** | | | **OHC/IHC** | | | Gradient OHC *vs.* gradient IHC | |
|  | 1-2 kHz | 1-4 kHz | 2-4 kHz | 1 kHz | 2 kHz | 4 kHz |
|  | **\*\**p* =**  **1.7×10-3** | **\*\*\**p* =**  **9.2×10-12** | **\*\*\**p* =**  **2.7×10-9** | **\*\**p* =**  **7.4×10-3** | **\*\*\**p* =**  **4.4×10-5** | **\*\*\**p* =**  **4.5×10-9** | **\**p* =  1.8×10-2** | |

**Figure 2‒source data 1: Statistical significance.**

The table lists p-values resulting, respectively, from a one-way ANOVA to assay statistical significance of the measured mean-value variation of the hair-bundle stiffness between different cochlear locations for inner (IHC) and outer (OHC) hair cells, from two-tailed unpaired Student's *t*-tests with Welch’s correction to compare mean values of between two groups of a given hair-cell type (IHC or OHC) with different characteristic frequencies (CF) or between the two cell types (OHC/IHC) when they are associated to the same characteristic frequency. The last entry (Gradient OHC *vs.* gradient IHC) provides the p-value to assay the statistical significance between the slopes of a weighted linear regression of the relation between and the characteristic frequency of the hair cell. A bold font was used to help find statistically significant differences.