

Supplemental tables

A) Table enlisting qRT-PCR primers:

Gene	Primer sequence
<i>otoferlin b</i>	GCAAAGACGGCAAAGCAGTGC (Forward); GCTTCCACTTTGCCTGTAATTTCTAGCTCATC (Reverse)
<i>otoferlin a</i>	GGACTGTTTACACACAACCTGAACATCAGT (Forward); CCCTCTATGTCATCCTCGTCTGCT (Reverse)
<i>beta-actin</i>	AAGCAGGAGTACGATGAGTC (Forward); TGGAGTCCTCAGATGCATTG (Reverse)
<i>Myosin-6b</i>	TGGCTCCCATCAGTCAAGTG (Forward) TTCTCGGTGTCATCCAAGCC (Reverse)
<i>VGlut3</i>	ATGTCTTCGTGATCGCCTCC (Forward) GTTTGGCGCCTGATGAGTTG (Reverse)
<i>shha</i>	ACCGACACAAGAGCAAATACG (Forward) GTCCTTACGGCCTTCTG (Reverse)

B) Table enlisting ISH primers:

Gene	Primer sequence
<i>otoferlin b</i>	ATGGACTAAAGAAACAGACGGATGAGCATTTAG (Forward); TAATACGACTCACTATAGGG-TCAAACGCTGCAGAGAGAAGCTTCT (Reverse with T7-polymerase tag)
<i>otoferlin a</i>	GGACTGTTTACACACAACCTGAACATCAGT (Forward); TAATACGACTCACTATAGGG-CCCTCTATGTCATCCTCGTCTGCT (Reverse with T7-polymerase tag)
<i>Mouse-otoferlin</i>	TCCCCCAGGAAACCAAGAAGTAC (Forward); TAATACGACTCACTATAGGG-GGGATCAGGTCATTGCGAGCC (Reverse with T7-polymerase tag)

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C) Table enlisting primers for full-length and truncated mouse *otoferlin* constructs:

Gene	Primer sequence
Mouse <i>otoferlin</i> full- length (FL)	5'-GACCGCGGATGCATCATCACCATCACCATGGTATGGCCCTGATTGTTACCTCAAG-3', 5'-CAGCGGCCGCTCAGGCCCTTAGGAGCTTC-3'
<i>otoferlin</i> Δ ABC	5'-GACCGCGGATGCATCATCACCATCACCATGGTTCCTTTCCGCCATCAGCCTAGTC-3', 5'-CAGCGGCCGCTCAGGCCCTTAGGAGCTTC-3'
<i>Otoferlin</i> Δ ABCD	5'-CCG CGG ATG CCA AGC AAT GAC CCC ATC AAT GTG CTG GTC-3' 5' GCGGCCGC CTA GGC CCC TAG GAG CTT CTT GAC CAT GTA GCC TGG-3'
<i>Otoferlin</i> Δ ABCDE	5'- CGA CCG CGG ATG CAC CAT CAC CAT CAC CAT GGC GCC TCC CCC AGG AAA CCC AAG AAG TAC GAG CTG-3' 5'-GAT GCG GCC GCC TAG GCC CCT AGG AGC TTC TTG ACC ATG TAG CCT GG-3'
<i>Otoferlin</i> Δ BCDEF	5'- CGA CCG CGG ATG GCC CTG ATT GTT CAC CTC AAG ACT GTC TCA GAG-3' 5'- GAT GCG GCC GCC TAC TGG AGG GAT TCA TCT CCC AGG AAG TCT CCA TC-3'

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D) Table enlisting the splice-blocking morpholino sequences targeting the *otoferlin a* and *b* gene:

Gene	Morpholino oligo sequences written from 5' to 3' and complementary to splice -junction target
<i>otoferlin b</i>	1) ACATTGTAACAGCACACCCAAGA (<i>e38i38</i>) 2) CATCTGCACACAAGAGCACAGAAGT (<i>e2i2</i>) - Morpholino 1 targets "Ensembl" splice variants: OTOF (1 of 2)-201 ENSDART00000041685, OTOF (1 of 2)-002 ENSDART00000149773, OTOF (1 of 2)-001 ENSDART00000149294 - Morpholino 2 targets "Ensembl" splice variants: OTOF (1 of 2)-201 ENSDART00000041685, OTOF (1 of 2)-002 ENSDART00000149773.
<i>otoferlin a</i>	1) TTTTATGGTTACCGACCAGGTTGT (<i>e11i11</i>) 2) ATGAGATCATCTTTGGTCACCTCTT (<i>i6e7</i>) - Both morpholinos (1 and 2) target "Ensembl" splice variants: otof-001 ENSDART00000136255, otof-201 ENSDART0000008840.

E) Table enlisting gene-specific primers for validating morpholino knockdown:

Gene	Primer sequence
<i>otoferlin b</i>	<i>e38i38</i> - CTCACCGAGGAAGCCAAAGA (Forward); TTGGTTGCAGACGAGATGGC (Reverse) <i>e2i2</i> - TTTACATACGCAGAGGATACGTCA (Forward); TTGTAGTAAGGGCAGTTGGTCG (Reverse)
<i>otoferlin a</i>	<i>i6e7</i> - GGATCGAAAAGCCATGCGTC (Forward); TAATACGACTCACTATAGGGTCTCCTTTTCCCACGACTGC (Reverse) <i>e11i11</i> - CTGGAACTTCACCTGGACGA (Forward); AACATGACGTCTGGAGGCAC (Reverse)

