

Supplementary Data Table 1- Relative gene expression normalized to Myosin VIIa

		Average $C_{T(s)} \pm SD$	Average $C_{T(m)} \pm SD$	$\Delta C_T \pm SD$	$\Delta \Delta C_T$	normalized expression level to myosin VIIa ($2^{-\Delta \Delta C_T}$)
Genotype	Gene					
SK2 ^{-/-}	$\alpha 9$	27.71 \pm 0.94	26.43 \pm 0.08	1.28 \pm 0.94	-0.07	1.05
SK2 ^{+/+}		27.54 \pm 0.11	26.19 \pm 0.33	1.35 \pm 0.35		
SK2 ^{-/-} / $\alpha 10$ ^{-/-}		31.24 \pm 0.40	23.9 \pm 0.27	7.34 \pm 0.48	0.83	
SK2 ^{+/+} / $\alpha 10$ ^{+/+}		30.40 \pm 0.07	23.89 \pm 0.37	6.51 \pm 0.38		
SK2 ^{-/-}	$\alpha 10$	28.76 \pm 0.34	26.43 \pm 0.08	2.33 \pm 0.35	-0.41	1.33
SK2 ^{+/+}		28.93 \pm 0.47	26.19 \pm 0.33	2.74 \pm 0.57		
SK2 ^{-/-}	CaV1.3	29.14 \pm 0.27	26.43 \pm 0.08	2.71 \pm 0.28	-0.04	1.02
SK2 ^{+/+}		28.94 \pm 0.33	26.19 \pm 0.33	2.75 \pm 0.47		
SK2 ^{-/-}	BK, alpha	25.53 \pm 0.25	26.43 \pm 0.08	-0.90 \pm 0.26	-0.41	1.32
SK2 ^{+/+}		25.7 \pm 0.24	26.19 \pm 0.33	-0.49 \pm 0.41		
SK2 ^{-/-}	BK, beta	27.38 \pm 0.44	22.67 \pm 0.31	4.73 \pm 0.54	0.68	0.63
SK2 ^{+/+}		26.88 \pm 0.19	22.83 \pm 0.47	4.05 \pm 0.51		
SK2 ^{-/-}	Ryanodine R1	22.08 \pm 0.74	22.67 \pm 0.31	-0.26 \pm 0.80	1.93	0.26
SK2 ^{+/+}		20.31 \pm 0.88	22.83 \pm 0.47	-2.19 \pm 0.99		
SK2 ^{-/-} / $\alpha 10$ ^{-/-}		23.52 \pm 0.28	23.9 \pm 0.27	-0.39 \pm 0.39	1.31	
SK2 ^{+/+} / $\alpha 10$ ^{+/+}		22.20 \pm 0.08	23.89 \pm 0.37	-1.69 \pm 0.38		
SK2 ^{-/-}	Ryanodine R2	23.84 \pm 0.29	22.67 \pm 0.31	1.13 \pm 0.42	1.10	0.47
SK2 ^{+/+}		22.82 \pm 0.31	22.83 \pm 0.47	0.03 \pm 0.56		
SK2 ^{-/-} / $\alpha 10$ ^{-/-}		24.21 \pm 0.10	23.9 \pm 0.27	0.31 \pm 0.29	0.36	
SK2 ^{+/+} / $\alpha 10$ ^{+/+}		23.84 \pm 0.11	23.89 \pm 0.37	-0.05 \pm 0.39		
SK2 ^{-/-}	Ryanodine R3	24.42 \pm 0.39	22.67 \pm 0.31	1.76 \pm 0.50	0.26	0.84
SK2 ^{+/+}		24.33 \pm 0.57	22.83 \pm 0.47	1.50 \pm 0.74		
SK2 ^{-/-} / $\alpha 10$ ^{-/-}		27.06 \pm 0.16	23.9 \pm 0.27	3.16 \pm 0.31	0.48	
SK2 ^{+/+} / $\alpha 10$ ^{+/+}		26.56 \pm 0.85	23.89 \pm 0.37	2.68 \pm 0.93		

qPCR analysis of SK2^{-/-} and SK2^{-/-}/ $\alpha 10$ ^{-/-} cochleae. Expression level for genes with known olivocochlear system interactions was determined using the $\Delta \Delta C_T$ method on triplicate technical repeats of a minimum of two biological repeats.