Loss of *Baiap2l2* destabilizes the transducing stereocilia of cochlear hair cells and leads to deafness

Adam J. Carlton, Julia Halford, Anna Underhill, Jing-Yi Jeng, Matthew R. Avenarius, Merle L. Gilbert, Federico Ceriani, Kimimuepigha Ebisine, Steve D. M. Brown, Michael R. Bowl, Peter G. Barr-Gillespie, Walter Marcotti

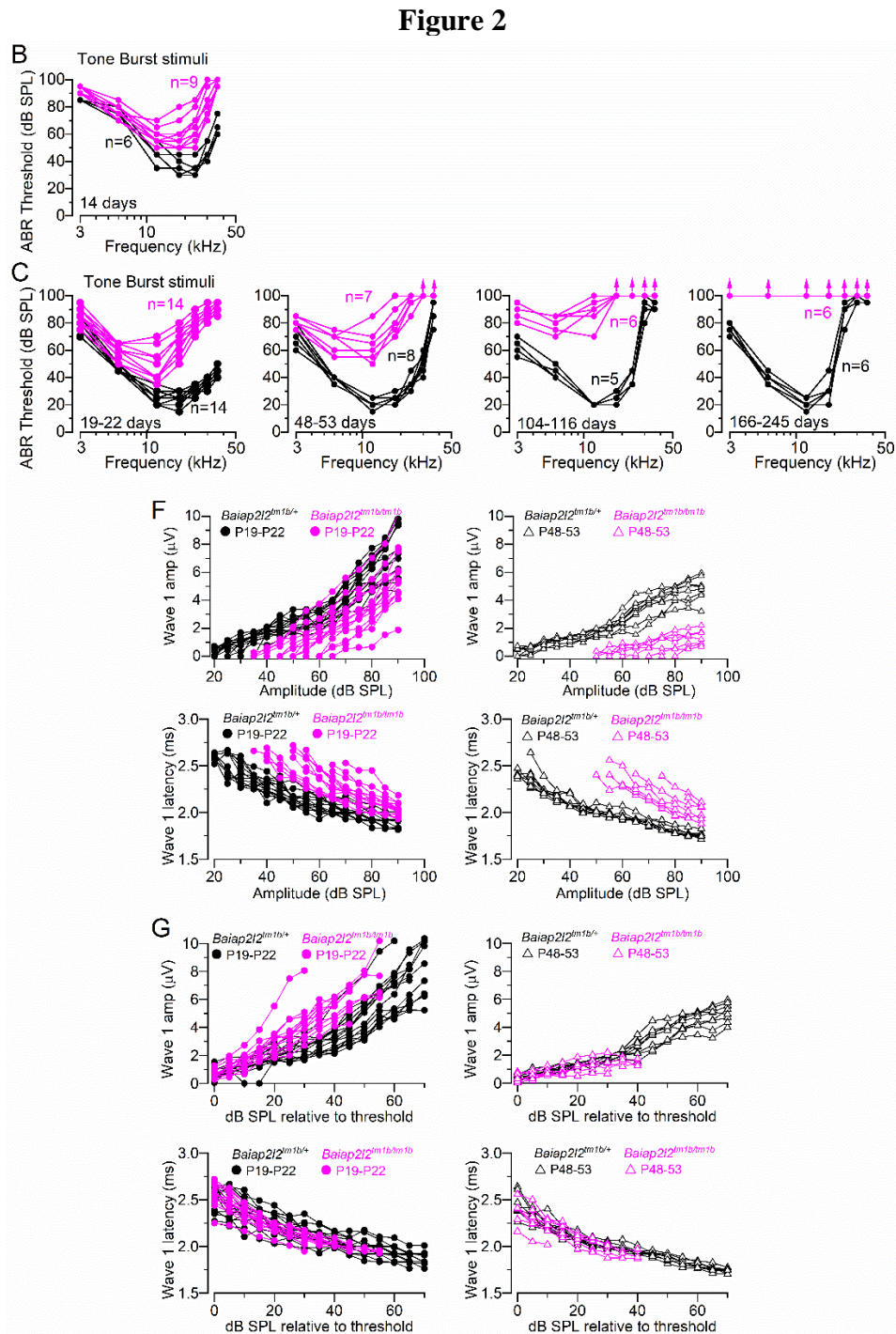**Data points for Figures 2*B,C,F,G*; Figure 8*C,F*; Figure 9C; Figure 10*B,E*.**

Figure 2

Figure 2: ABR thresholds evoked in *Baiap2l2* mice
Single recordings used to calculate the average values shown in panel *B*, *C*, *F* and *G* of Figure 2 in the original manuscript. Note that due to the large number of recordings for each conditions, data from control (*Baiap2l2^tm1b/+*, left columns) and knockout (*Baiap2l2^tm1b/tm1b*, right columns) mice in panel *F* and *G* have been plotted separately.
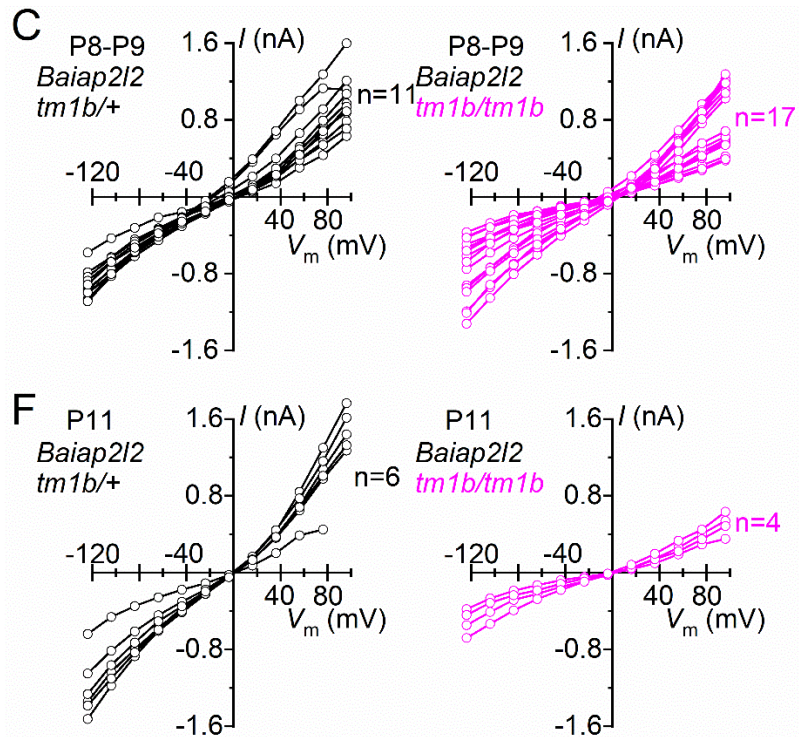
Figure 8

Figure 8. Mechanoelectrical transduction in reduced in *Baiap2l2tmtb* mice
Single recordings used to calculate the average values shown in panel **C** and **F** of Figure 8 in the original manuscript. Note that due to the large number of recordings for each conditions, data from control (*Baiap2l2tm1b/+*, left columns) and knockout (*Baiap2l2tm1b/tm1b*, right columns) mice have been plotted separately.
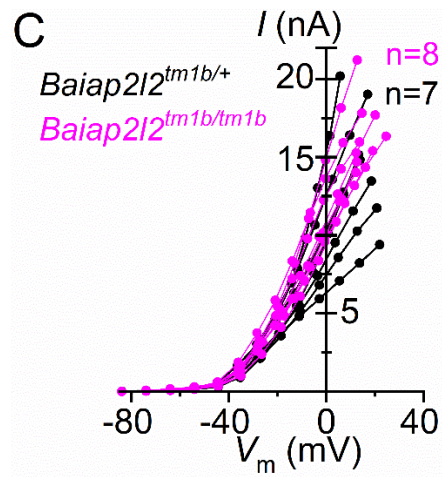
Figure 9

Figure 9. The basolateral membrane properties of adult IHCs are indistinguishable between control and littermate *Baiap2l2^tm1b/tm1b* mice

Single recordings used to calculate the average values shown in panel *C* of Figure 9 in the original manuscript.
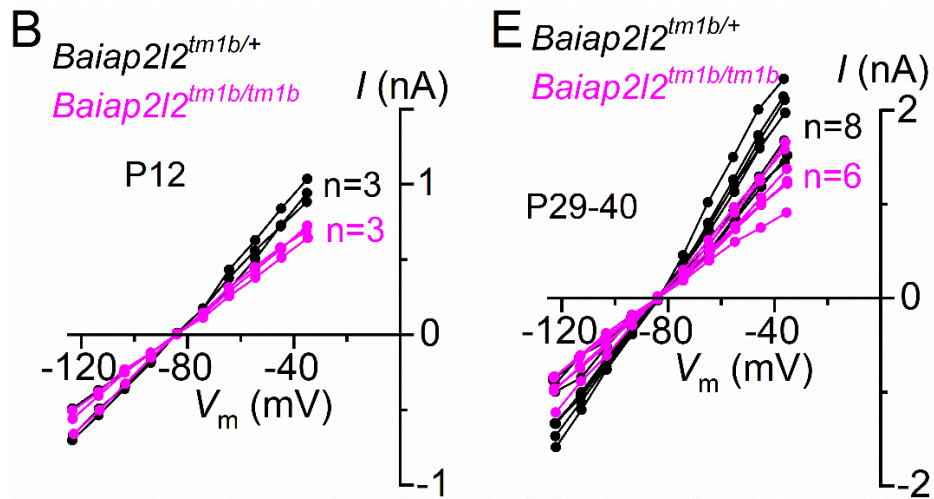
Figure 10

Figure 10. The basolateral membrane properties of adult OHCs are preserved in *Baiap2l2^tm1b^* mice

Single recordings used to calculate the average values shown in panel **B** and **E** of Figure 10 in the original manuscript.