



Supplemental Figure 4. qPCR validation of RNA-seq data and measurements of Chr2 expression.

(A) Heatmap of differential expression of Clcn1, Gadd45a, and Kcnj2 from 3 d whisker pad for RNA-seq (left column) and qPCR (right column). qPCR values were normalized to ActB expression.

(B) qPCR data comparing Chr2 expression levels in sham and lesioned whisker pad tissue from Emx1-ChR2 mice. Bars (errorbars) represent mean (\pm SEM) data from left (sham) and right (lesion) whisker pads from day 3 (n=3 mice) and day 7 (n=2 mice) after lesion. One of the five subjects included was unlesioned. No increases were detected at 3 d and 7 d post-lesion.

(C) Name and sequence of primers used for qPCR.