



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. Lines represent data from left (sham) and right (lesion) whisker pads from individual mice. Bars and errorbars represent mean \pm SEM. 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.