

Supplementary data

Using the online DAVID tool (<http://david.abcc.ncifcrf.gov/home.jsp>) functional annotations of the up-regulated and down-regulated genes were we carried on. The data are reported in Supplementary Tables 1 and 2. Intriguingly, no significant increase in the expression of Gja1 gene which encodes Cx-43 was observed. This data has been discussed in the full paper.

Pathway analysis focused on these genes was carried on with KEGG tool (<http://www.genome.jp/kegg/pathway.html>) and is also reported in the Supplementary Tables 1 and 2.