



*Fig. S2.* Position of the first glycine in the first extracellular loop of Cx31. (A) Schematic model of Cx31 structure; the mutation in the proband is marked by a red arrow; the first extracellular domain is coloured green. The black numbers indicate the numbering of the amino acids for Cx31. (B) This corresponding glycine (red arrow) is a highly conserved residue among 9 Cx gene family members.