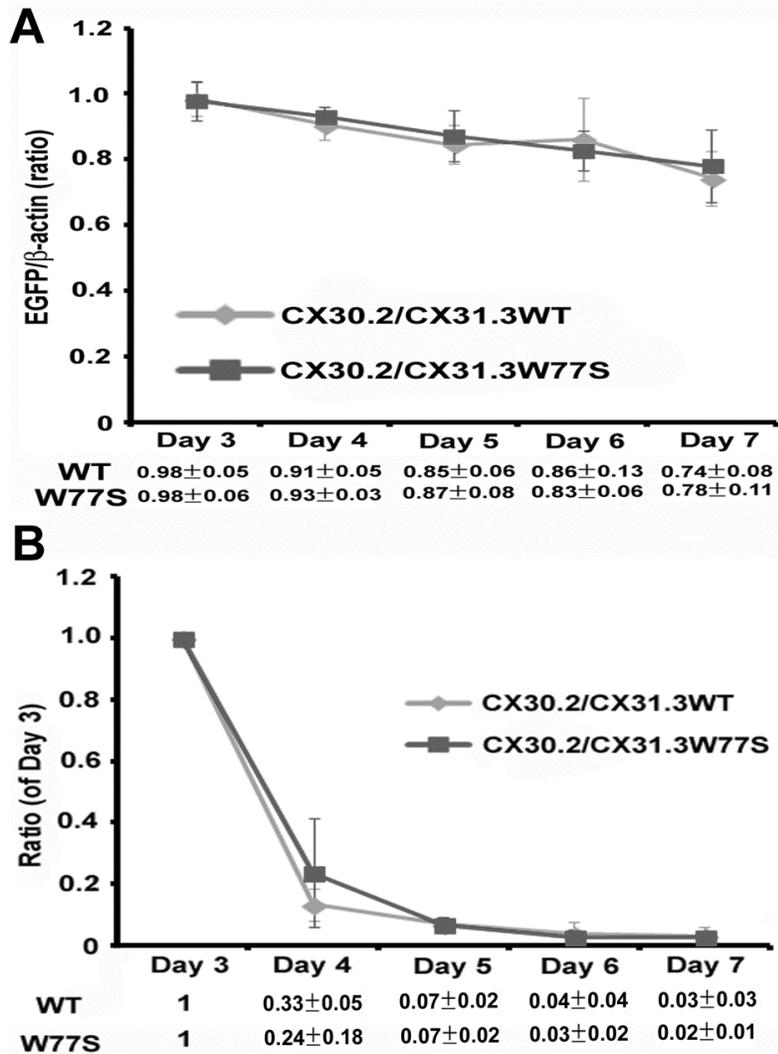


**Supplemental Figure 1.** Schematic representation of the domain structure of the CX30.2/CX31.3 protein with indication of known variants. The arrows indicate the mutations of CX30.2/CX31.3. TM1-4: transmembrane domains; E1-2: extracellular domains; CL: cytoplasmic linking domain





**Supplemental Figure 3.** Expression analysis of *GJC3* mRNA in the CX30.2/CX31.3WT and CX30.2/CX31.3 W77S transfected HeLa cells by RT-PCR (A) and Quantitative-PCR (B). Total RNA from HeLa cells expressing CX30.2/CX31.3WT and CX30.2/CX31.3W77S confirms expression of the corresponding mRNAs in transfected HeLa cell.  $\beta$ -actin served as reference of the amount of total RNA for each sample. Data represent average  $\pm$  SD. Results are representative of three separate experiments.