**Additional file 2.**

# Contribution of voltage-gated sodium channel β-subunits to cervical cancer cells metastatic behavior

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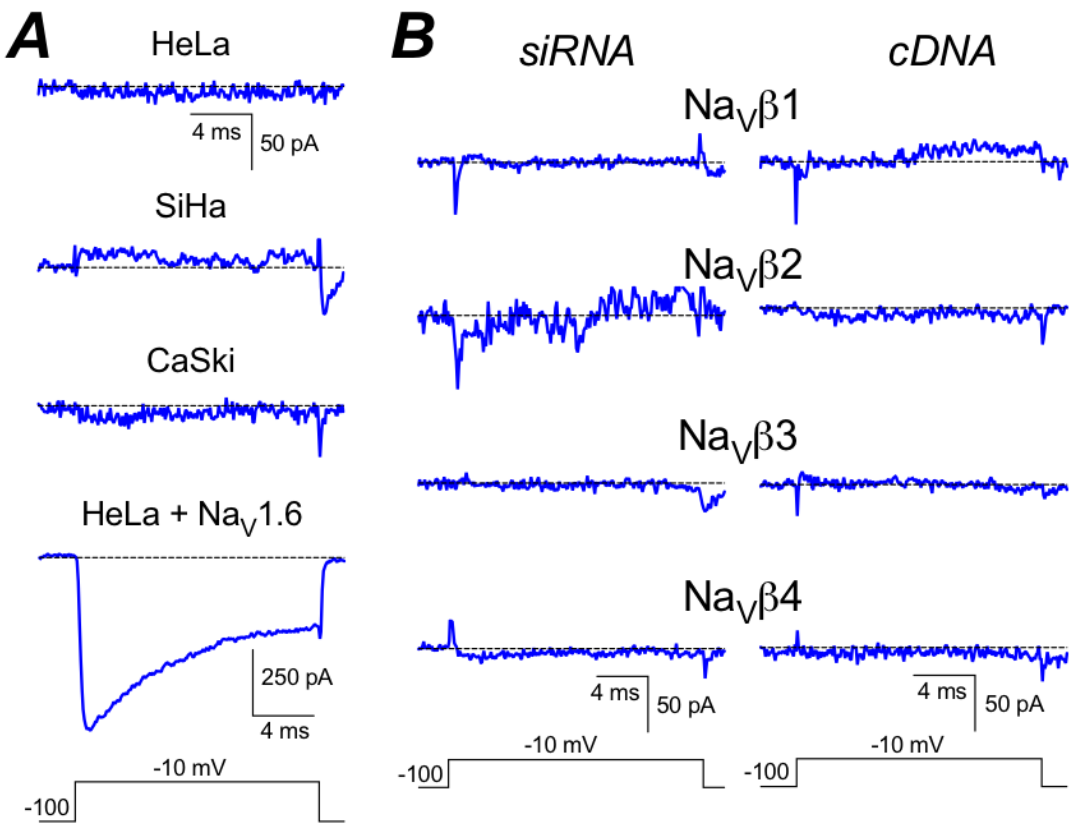


**Additional file 2. Analysis of the expression of voltage-gated sodium currents in CeCa cells.** Whole-cell patch-clamp experiments were done to investigate the presence of functional $Na_V$ α-subunits in the plasma membrane in CeCa cells. ***A***. None of the three CeCa cell lines showed the presence of voltage-gated sodium currents in basal conditions (n = 30 in total), whereas prominent $Na_V$ currents were recorded in HeLa cells transiently transfected with $Na_V1.6$, used as a positive control (bottom recording). ***B***. HeLa cells transfected with siRNAs (left column) or the cDNA (right column) to increase or decrease the expression of each of the $Na_V$βs, but no $Na_V$ current was found, suggesting that the regulation of the expression of $Na_V$βs is not enough to promote the functional activity of $Na_V$ α-subunits in the plasma membrane of CeCa cells. In all cases, currents were evoked at -10 mV from a holding potential of -100 mV.