Supplementary Information

Epithelial-Mesenchymal Transition Increases the Susceptibility of Human A549 Cells to Nanosecond Pulsed Electric Fields

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List of Reagents Used for the Evaluation of EMT Induction in Figure 1a - 1d.

Figure 1a: Living cells (unfixed cells)

Target	Reagent for detection	Color
Cell membrane	PlasMem Bright Green	Green
Mitochondria	MitoRed	Red
DNA	DAPI	Blue

Figure 1b: Fixed cells

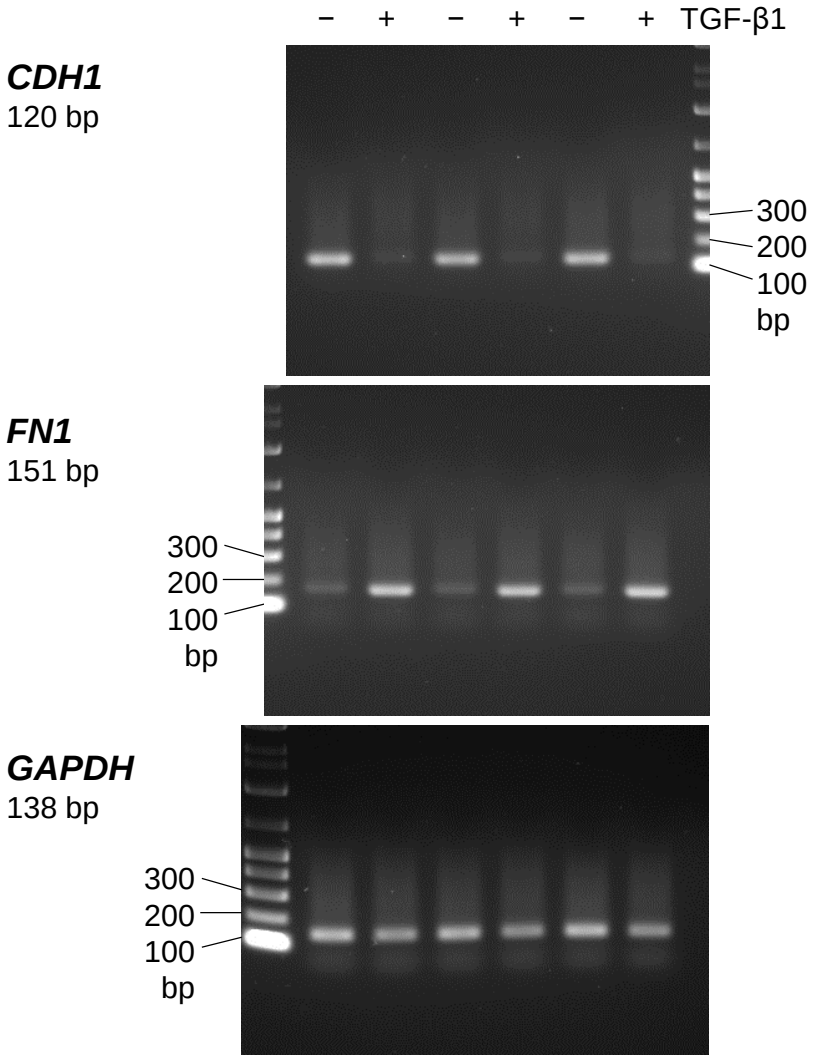
Target	Reagent for detection	Color
F-actin	Phalloidin-iFluor555	Red
DNA	DAPI	Blue

Figure 1c: Fixed cells

Target	Reagent for detection	Color
E-Cadherin	rabbit anti-E-cadherin antibody + anti-rabbit Alexa Fluor488 antibody	Green
DNA	DAPI	Blue

Figure 1d: Fixed cells

Target	Reagent for detection	Color
Fibronectin	rabbit anti-fibronectin antibody + anti-rabbit Alexa Fluor488 antibody	Green
DNA	DAPI	Blue



Cq Values

Target	Sample		Cq
CDH1	1	-	21.08
CDH1	2	-	20.95
CDH1	3	-	20.51
CDH1	4	+ EMT	24.36
CDH1	5	+ EMT	23.36
CDH1	6	+ EMT	24.1

Target	Sample		Cq
FN1	1	-	24.34
FN1	2	-	24.58
FN1	3	-	24.39
FN1	4	+ EMT	21.61
FN1	5	+ EMT	21.48
FN1	6	+ EMT	21.44

Target	Sample		Cq
GAPDH	1	-	17.04
GAPDH	2	-	16.92
GAPDH	3	-	16.96
GAPDH	4	+ EMT	17.27
GAPDH	5	+ EMT	17.06
GAPDH	6	+ EMT	17.59

Supplementary Figure S1. Results of RT-qPCR.
Reverse transcription followed by qPCR was performed as described in the Methods section. Results of three independent experiments are shown.