Supplemental Figures

Electric Fields at Breast Cancer and Cancer Cell Collective Galvanotaxis

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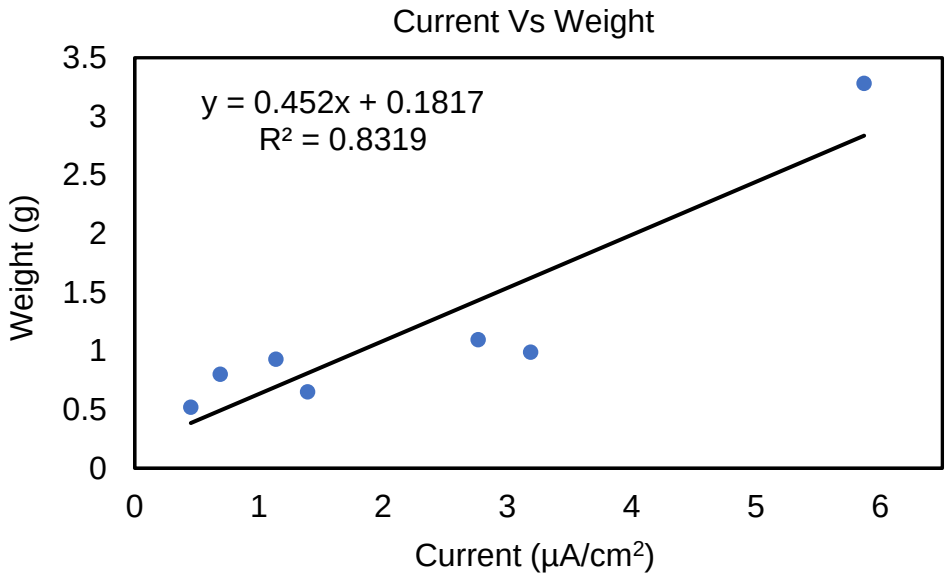
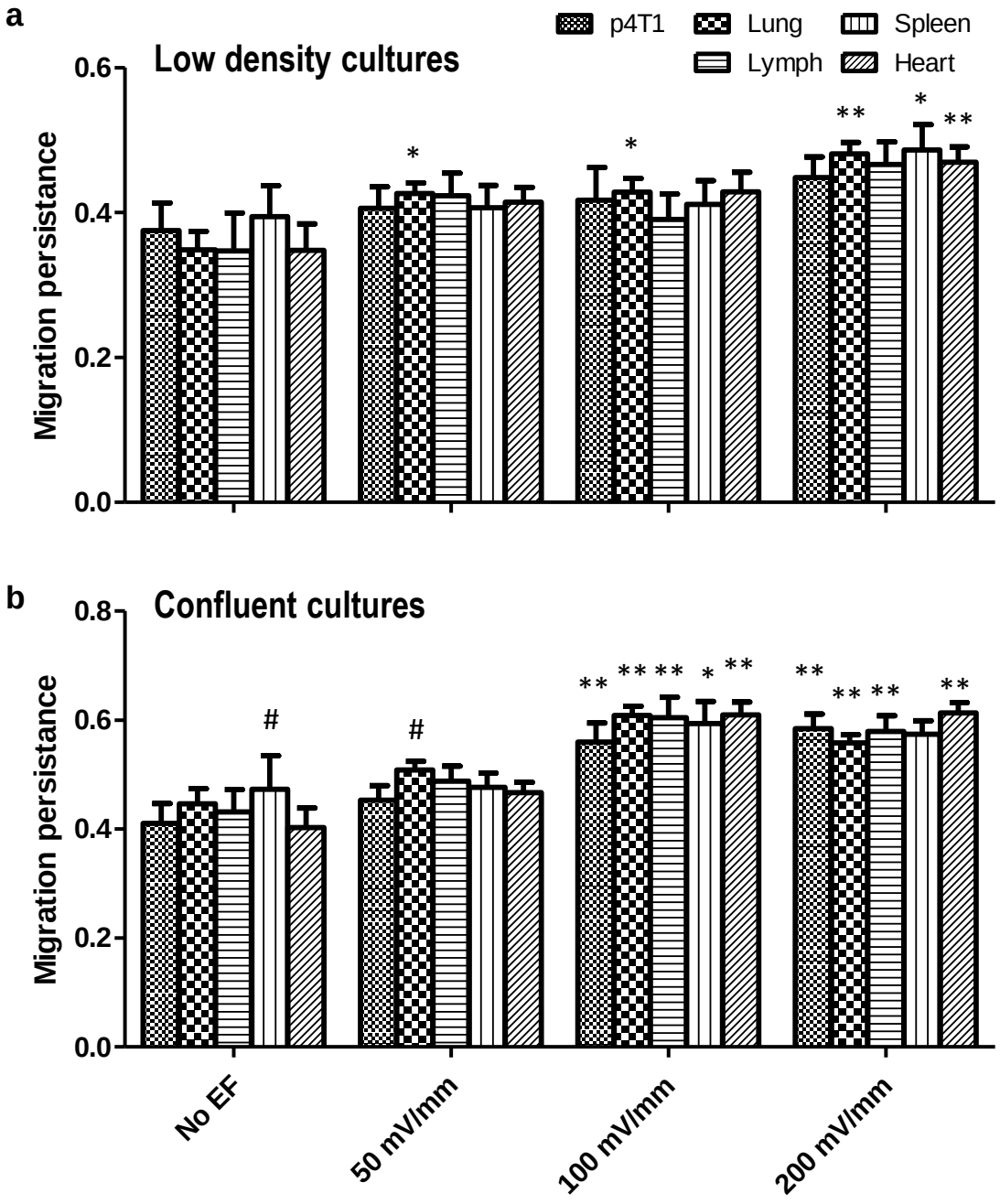
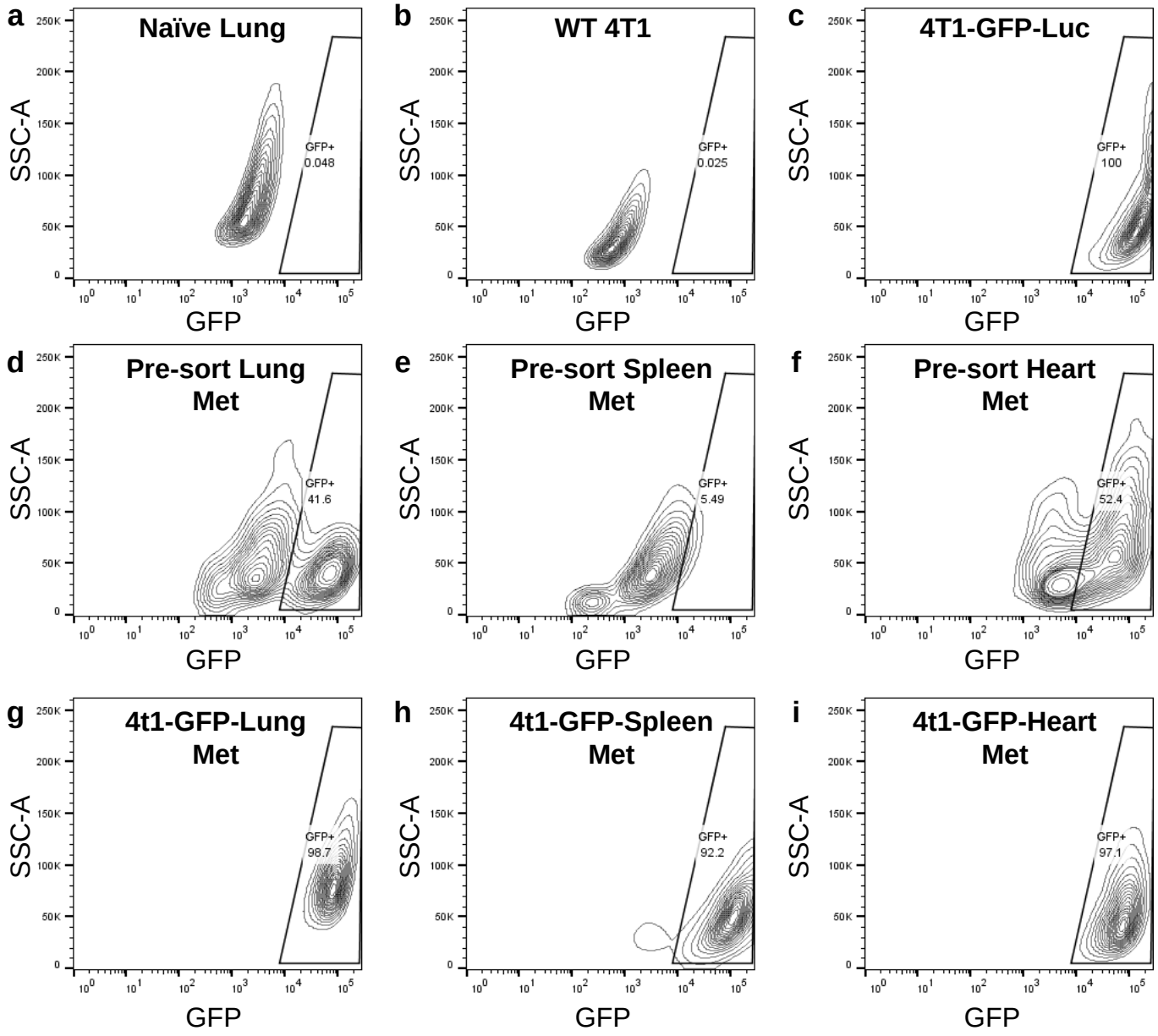


sFig. 1. Correlation between Tumor weight (size) and electric current density. Compilation of all tumors tested. Data of current magnitude are from Fig. 1d. Solid line: linear regression (r^2=0.8319); r: correlation coefficient (P=0.0042).



sFig. 2. Migration persistence of metastatic sublines in EFs. (a) Cells in isolation; (b) Cells in monolayer. At least 50 cells were analyzed for each condition. Data are shown as mean ± s.e.m. * $p < 0.05$, ** $p < 0.01$ compared with its no EF control; # $p < 0.05$, ## $p < 0.01$ compared with parental 4T1 cells of the same condition.



sFig 3. 4T1-GFP metastatic subline generation. Cytometric analysis of GFP intensity of (a) naïve lung tissue, (b) WT 4T1, (c) 4T1-GFP-Luc in culture, (d-f) primary cell populations from tissues of interest, (g-i) established metastatic cell lines following 2 FACS isolations