G_q-mediated arrhythmogenic signaling promotes atrial fibrillation

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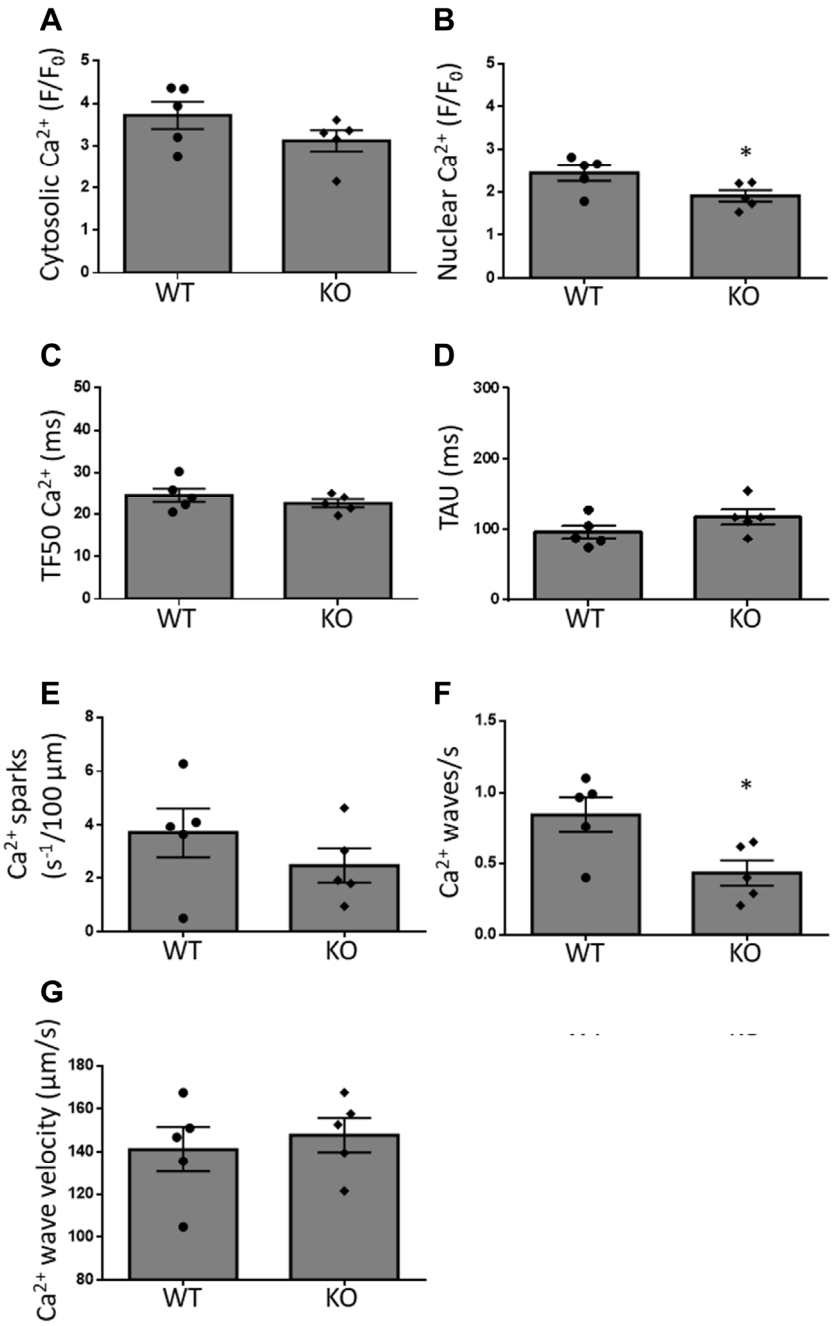
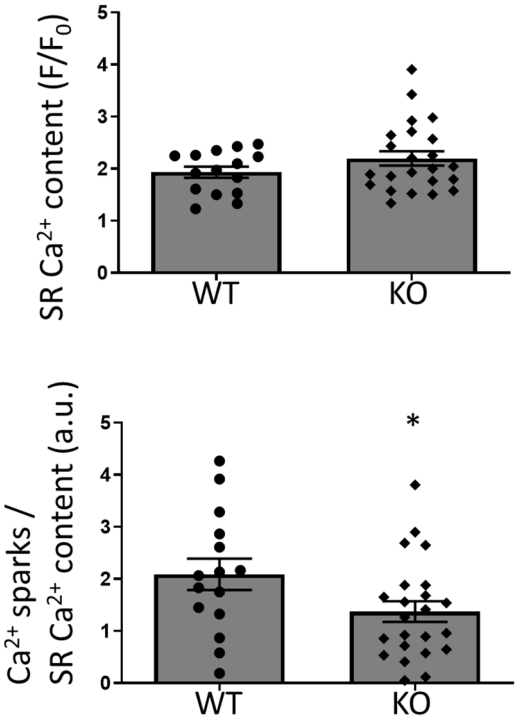
Short Title: G_q-signaling in atrial fibrillation

Supplementary Figures



Supplementary Figure S1. Per-animal analyses of Ca^{2+} signaling. Quantification of maximal cytosolic (A) and nuclear Ca^{2+} release (B), time to 50% of maximal cytosolic Ca^{2+} release (TF50) (C), the time constant of Ca^{2+} decay/removal (TAU) (D), subcellular Ca^{2+} spark frequency (E), as well as arrhythmogenic Ca^{2+} wave frequency (F) and propagation velocity (G). The total number of animals per group was n=5. *p<0.05 vs. WT.



Supplementary Figure S2. SR Ca2+ content in WT and KO mice as obtained with caffeine (top). Ca2+ spark frequency as corrected for SR Ca2+ content (ratio, a.u.). *p<0.05 vs. KO.