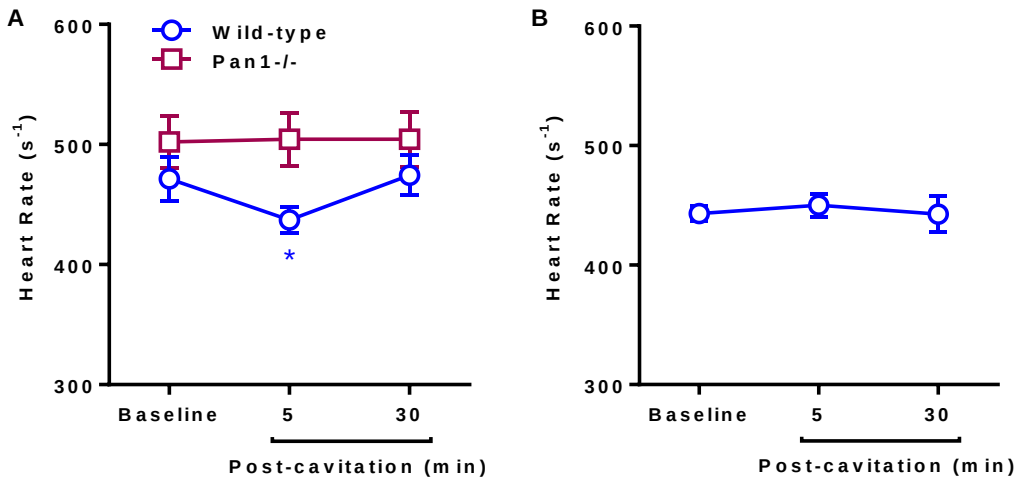
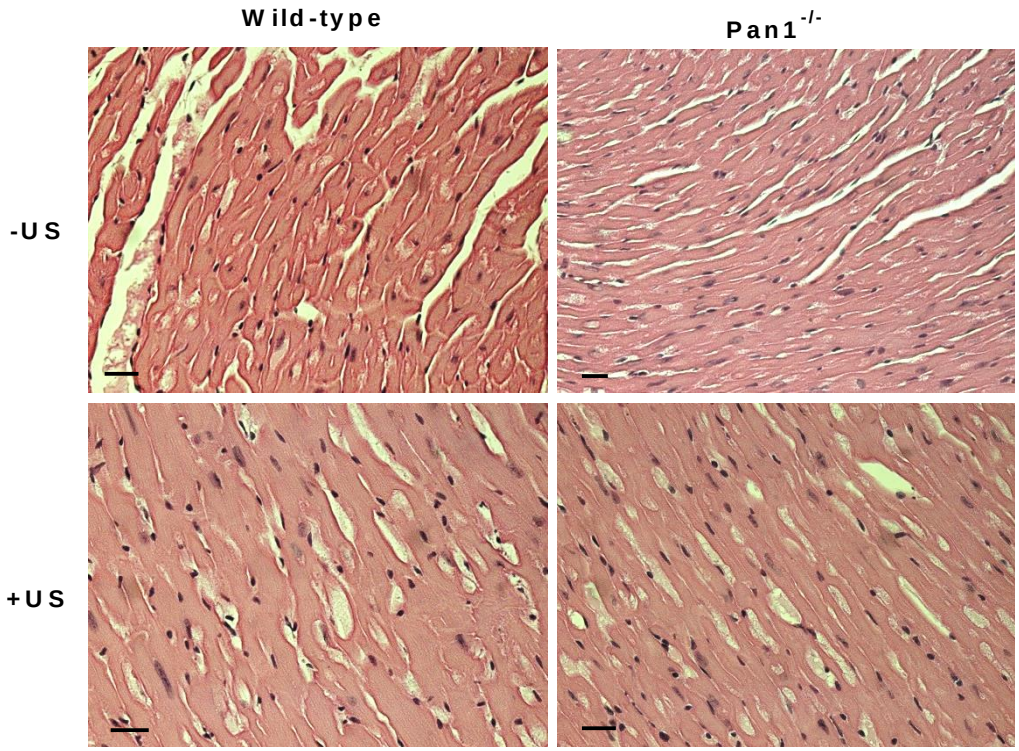
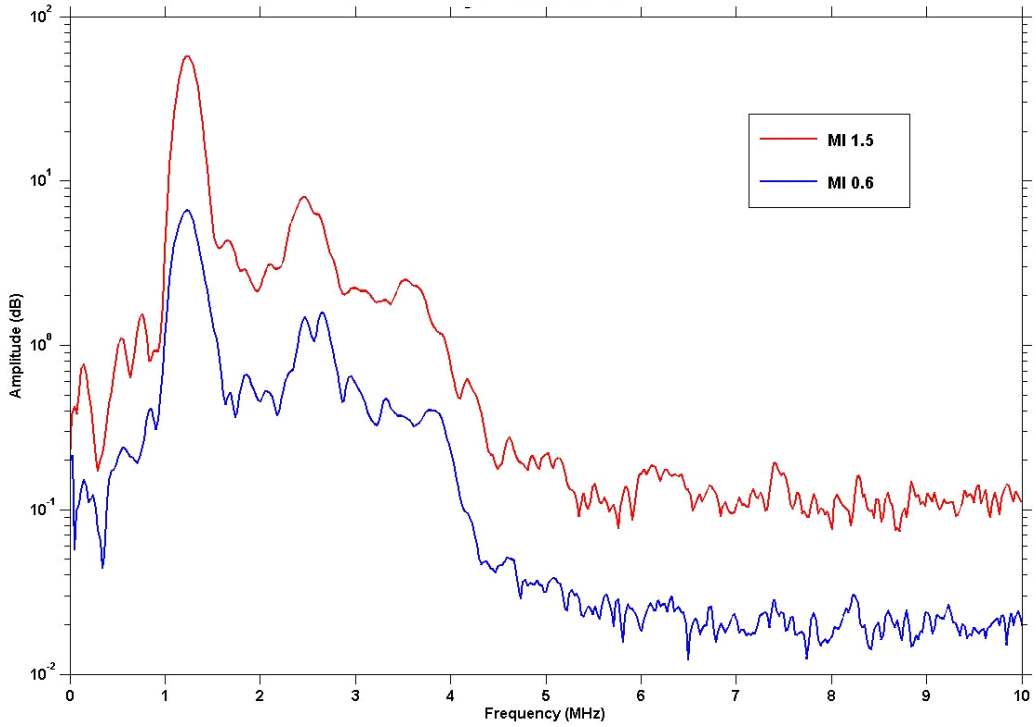
SUPPLEMENTAL FIGURES



Supplemental Figure 1. Mean (±SEM) values for heart rate in (**A**) wild-type and Pan1$^{-/-}$ mice undergoing cavitation, and (**B**) control sham-treated mice. *p<0.05 vs Pan1$^{-/-}$ mice.



Supplemental Figure 2. Examples of histology with H&E staining of the anterior myocardium from wild-type and Pan1$^{-/-}$ mice from animals not treated with ultrasound (-US) and those undergoing US cavitation (+US).



Supplemental Figure 3. Frequency-amplitude spectra from mice undergoing US cavitation of microbubbles. Data are shown for US delivered at an MI of 1.5 or 0.6 to model the low- and high-end boundaries of the possible acoustic pressures for in vivo experiments in mice and non-human primates. Amplitude is pressure related, but at MI of both 1.5 and 0.6 there is evidence for inertial cavitation evidenced by the broad spectrum signals between the harmonic peaks.