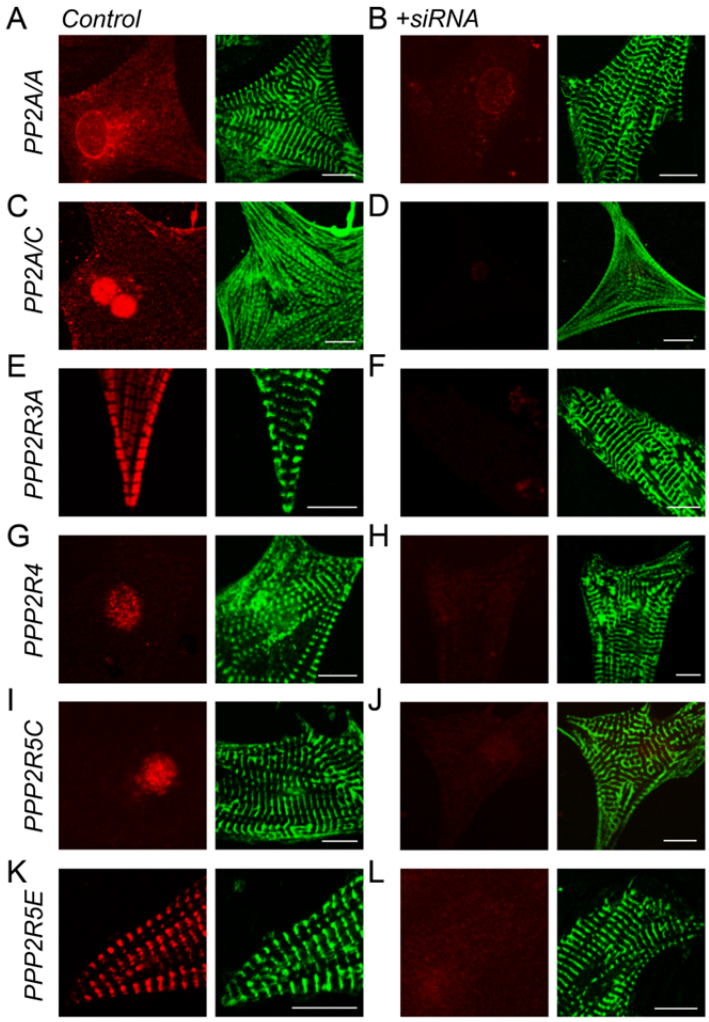
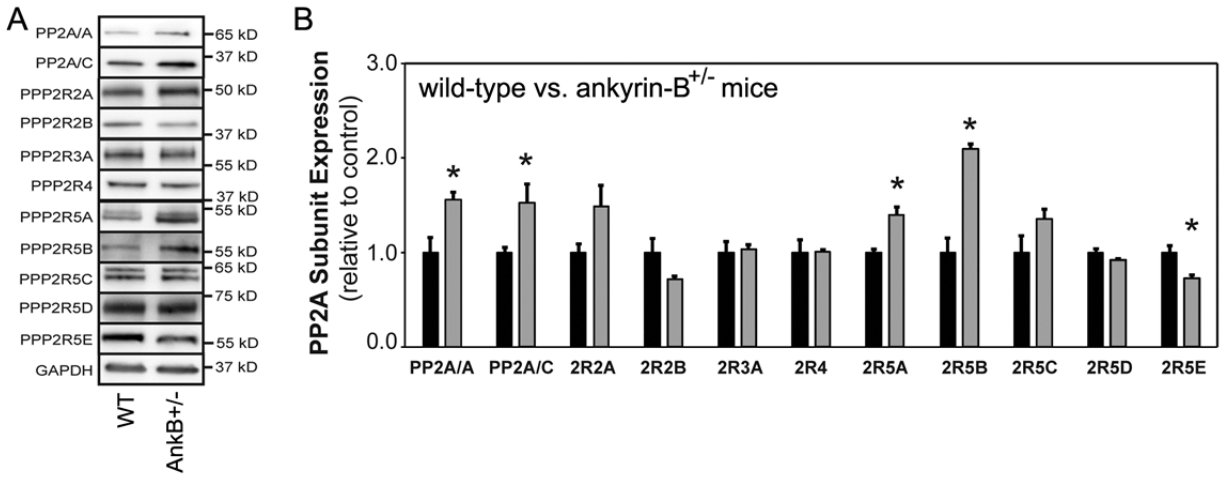
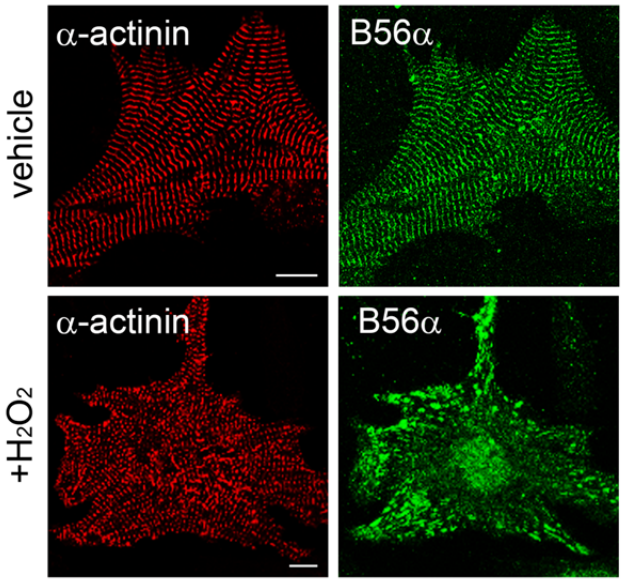


SUPPLEMENTAL FIGURE 1. *Validation of PP2A isoform-specific antibodies.* Immunostaining of wild-type neonatal cardiomyocytes ±expression of specific PP2A isoform siRNAs. Images were representative of hundreds of myocytes in the culture and alpha-actinin or phalloidin was utilized to validate cells as myocytes for imaging. Scale bar equals 10 microns. *A-B*) *PPP2A/A* and α-actinin ± siRNA. *C-D*) PP2A/C and phallodin ± siRNA. *E-F*) *PPP2R3A* and α-actinin ± siRNA. *G-H*) *PPP2R4* and α-actinin ± siRNA. *I-J*) *PPP2R5C* and α-actinin ± siRNA. *K-L*) *PPP2R5E* and α-actinin ± siRNA. Note that while perinuclear and nuclear staining is shown for PP2A/A and PP2A/C, analysis across multiple cells revealed distribution of these isoforms across myocyte membrane domains (i.e. nuclear, perinuclear, striated).



SUPPLEMENTAL FIGURE 2. *Differential PP2A subunit regulation in a murine model of human catecholaminergic polymorphic ventricular tachycardia. A-B)* PP2A subunit expression levels in WT and ankyrin-$B^{+/-}$ mice. GAPDH was utilized as a loading control (N=5 samples/genotype, $p<0.05$).



SUPPLEMENTAL FIGURE 3. *Differential distribution of PP2A regulatory subunit B56α (PPP2R5A) following H_2O_2 treatment.* Control mouse cardiomyocytes and myocytes treated with H_2O_2 (75 μM for 60 minutes). Myocytes were confirmed by alpha-actinin co-labeling. Scale bar equals ten microns.