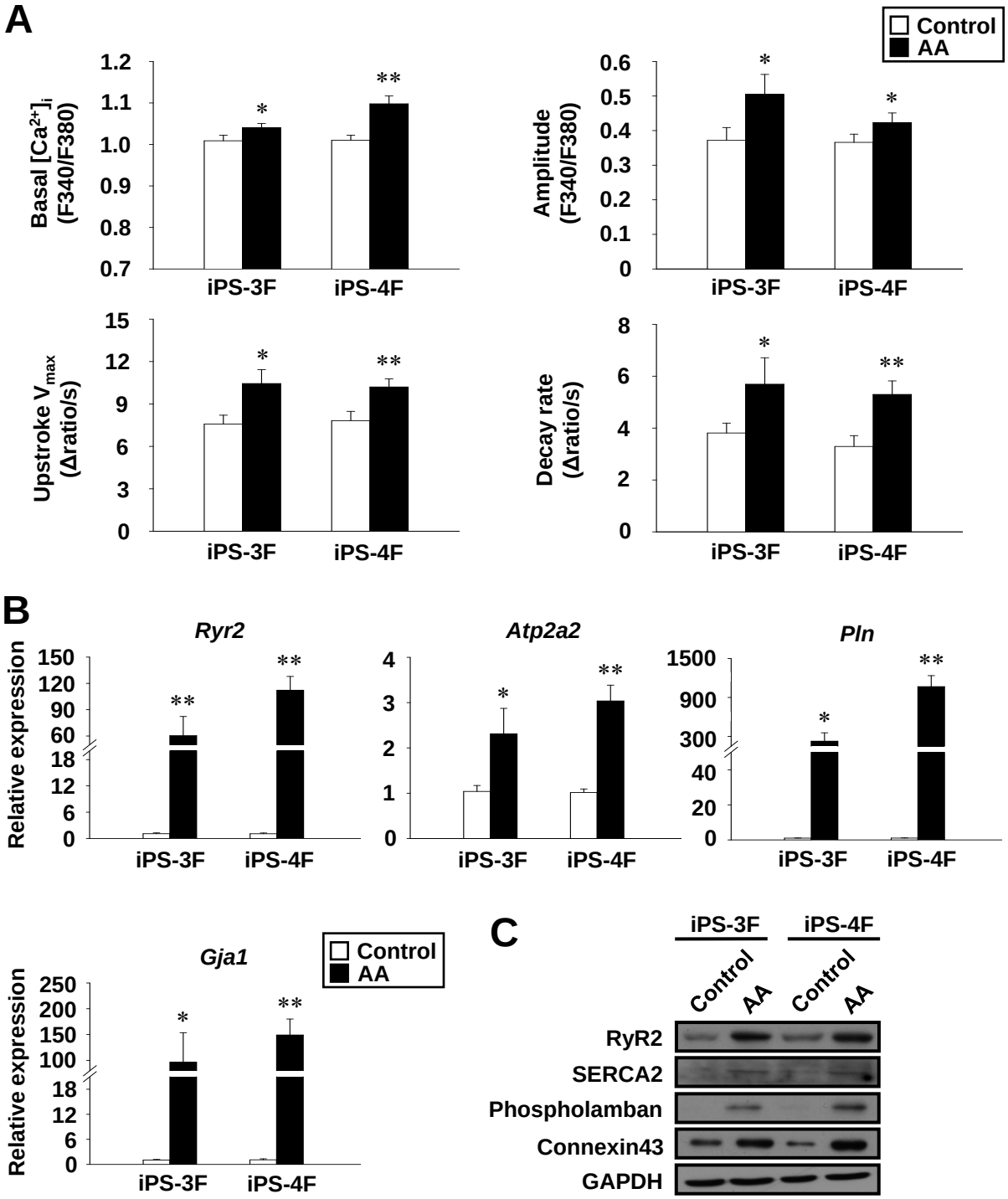

Supplementary Figure 5 Ca^{2+} handling properties of iPS-CMs induced with or without AA. A, Effect of AA on the amplitude, basal $[Ca^{2+}]_i$, upstroke V_{max}, and decay rate of Ca^{2+} transients in day 16-18 iPS-CMs (n=12-13). B and C, AA increases the expression of Ca^{2+} handling and gap junction proteins in TMRM fluorescent dye sorted iPS-CMs. Quantitative RT-PCR (B) and Western blot (C) analysis of the relative expression levels of various Ca^{2+} handling proteins in day-18 iPS-CMs with or without AA treatment. Results were obtained from three assays and expressed as means ± SEM. $^{*}P<0.05$, $^{**}P<0.01$ vs. control.