



**Supplementary Figure 1. Atrial cell and heart dimensions in adult mouse, rat and rabbits.** (A) Bar graph comparing adult heart weights for mouse, rat, and rabbit.  $n = 3$  hearts for each species. (B) Representative bright field images of isolated AMs from mouse, rat and rabbit hearts. Note the intact surface boundaries and intracellular sarcomere striations. Scale bars  $10 \mu\text{m}$ . (C) Length, width, length/width ratio and calculated area of live atrial myocytes. Mouse  $n = 28$ ; rat  $n = 35$ ; and rabbit  $n = 47$  atrial myocytes from 3 hearts each. For analysis, cell surface boundaries were selected manually from the ROIs of each cell's bright field image using ImageJ/Fiji. \*  $P < 0.05$ , \*\*\*  $P < 0.001$ , by Student's t-test.