



Fig. S1. Comparison of action potential (AP) parameters, sarcolemmal ion currents, and ion channel expression between compact (pooled data from apex, middle and basal regions) and spongy myocardium of rainbow trout ventricle. **(A)** Ventricular APs parameters: resting membrane potential (V_{rest}), threshold potential for AP initiation (TP), critical depolarization (CD), AP overshoot (OS), AP amplitude (Amp), AP duration at 50% level of repolarization (APD_{50}), maximum rate of depolarization ($+dV dt^{-1}$), and repolarization ($-dV dt^{-1}$). **(B-C)** Inward (I_{K1}) and delayed rectifier (I_{Kr}) K^+ currents (left), and transcripts of Kir2 (I_{K1}), KCNH2bb and KCNH6a (I_{Kr}) channels (right). The insets show peak densities of inward (I.C.) and outward (O.C) of I_{K1} **(B)**, and peak tail current densities of I_{Kr} at +80 mV **(C)**. **(D-E)** Ca^{2+} (I_{CaL}) and Na^+ (I_{Na}) currents (left), and transcripts of Ca^{2+} and Na^+ channels (right). The insets show the peak current densities of I_{CaL} at 0 mV **(D)**, and I_{Na} at -20 mV **(E)**. An asterisk (*) indicates statistically significant differences ($p < 0.05$; t -test) between mean values.

Dataset 1.

[Click here to download Dataset 1](#)