

## Supplementary Material

## Role of the Purkinje-muscle junction on the ventricular action potential duration heterogeneity in the healthy and ischemic ventricular myocardium

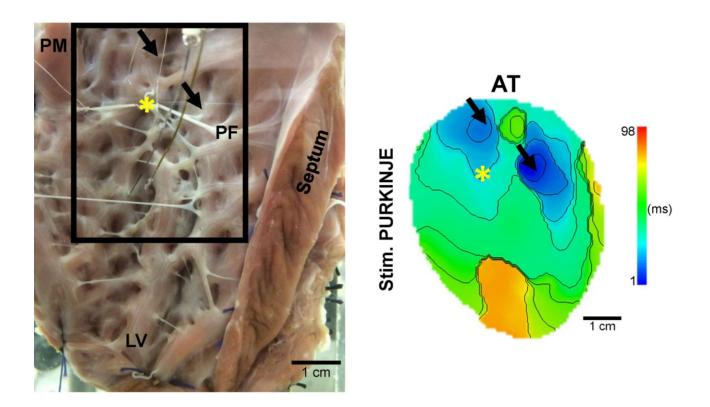
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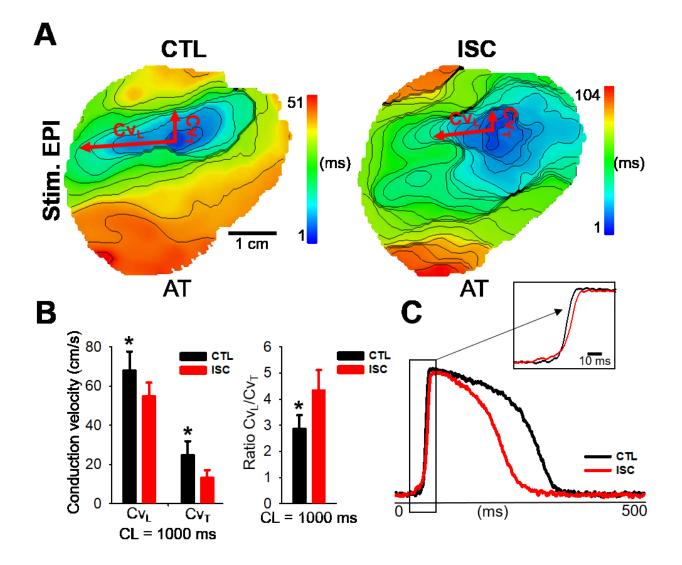
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## **Supplementary Figures**

Supplementary Figure 1



**Supplementary Figure 1. Localization of PMJs by free-running PF pacing.** Endocardial view of an experimental preparation and corresponding AT map during PF pacing at 1 Hz. Yellow star indicates bipolar free-running PF stimulation and black arrows show activation origins corresponding to PMJs.



**Supplementary Figure 2.** Conduction velocity before and after the onset of no-flow ischemia. A, Epicardial AT maps during EPI stimulation at 1 Hz, before and after 7 min of no-flow ischemia. Isochrones are 5 ms spacing. CTL=control, ISC=ischemia. B, Longitudinal (CvL) and transversal (CvT) conduction velocity and their ratio from EPI surface when pacing EPI at 1 Hz, in control versus ischemic conditions. C, AP traces and corresponding upstrokes extracted from the origin of activation when pacing EPI at 1 Hz, during CTL or ISC. Statistical differences were determined by paired t-tests (\*p<0.05).