



**SUPPLEMENTARY FIG. S2.** Lineage and fate of *Isl-1*<sup>+</sup> cells in the adult heart. (A) Ventral and dorsal views of an adult *Isl1nLacZ* heart stained for X-gal. X-gal<sup>+</sup> cells are found in the SAN, OFT, and CGs. (B, C) Fate mapping of postnatal *Isl-1*<sup>+</sup> cells with a tamoxifen-inducible *Isl1MerCreMer;tdTomato* reporter mouse line, indicate that postnatal *Isl-1*<sup>+</sup> cardiac cells contribute extensively to tyrosine hydroxylase<sup>+</sup> cardiac sympathetic nerves (B, arrows), and rare ventricular cardiomyocytes (C). IVS, interventricular septal myocardium. (*n* = 3). CG, cardiac ganglia; OFT, proximal outflow tract; SAN, sinoatrial node.