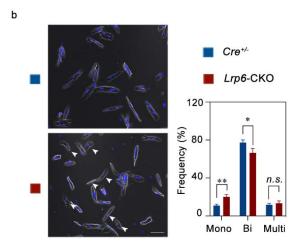


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Supplementary information, Fig. S5. Representative images and quantification of the nucleation of rod-shaped cardiomyocytes isolated from adult $Cre^{+/-}$ and Lrp6-CKO hearts. Approximately $2\text{-}3\times10^6$ cardiomyocytes per sample were counted in 3 independent samples using an automated cell counter (a). Scale bar = $100 \,\mu\text{m}$. b Immunostaining of isolated cardiomyocytes with DAPI, and quantification of the number of nuclei in $Cre^{+/-}$ and Lrp6-CKO hearts. For nucleation, approximately 7000-9000 cells were counted from 4 mice per group (right). White arrowheads indicate the mononucleated cardiomyocytes. Mono, mononucleated CMs, Bi, binucleated CMs, Multi, multinucleated CMs. Scale bar = $75 \,\mu\text{m}$. *P < 0.05, **P < 0.01. n.s., not significant. Data are presented as means \pm SD.