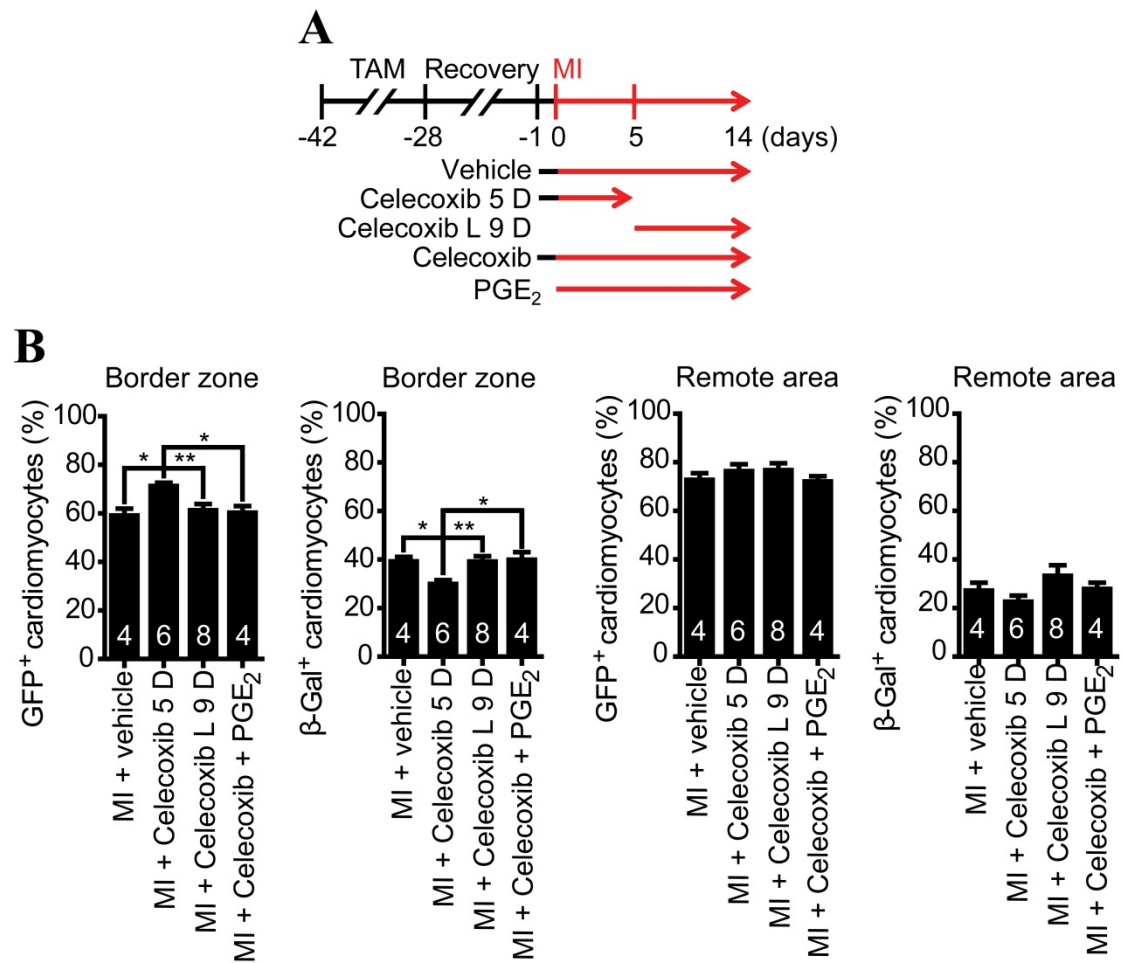




Supporting Information Fig 3. Early COX-2 signalling pathway is necessary for cardiomyocyte regeneration.

- A. Experimental paradigm of drug treatment on the MerCreMer/ZEG mice. Celecoxib was continuously administered 1 day before surgery until day 5 (Celecoxib 5 D) after MI or from day 5 to day 14 post-MI (Celecoxib L 9 D). Another group of animals was administrated with Celecoxib and PGE₂ simultaneously for 14 days. The hearts from drug-treated mice isolated at day 14 post-infarction were stained for GFP or β-Gal. TAM, tamoxifen.
- B. GFP⁺ and β-Gal⁺ cells at the border zone or remote area were quantified and statistically analyzed. * $p < 0.05$, ** $p < 0.01$. Data are presented as the mean $\pm$ s.e.m. Sample size is indicated in the bar chart. MI, myocardial infarction.