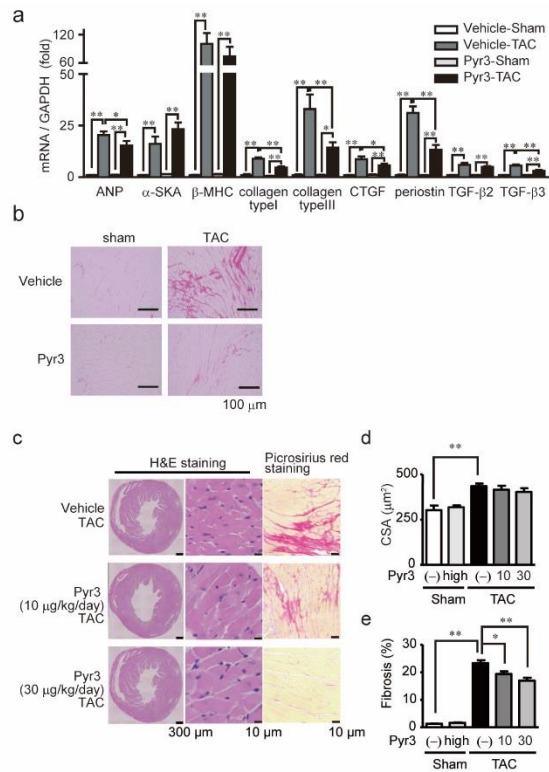


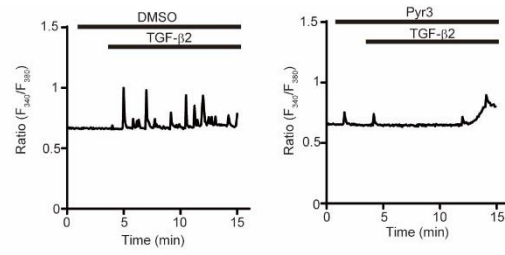
TRPC3-GEF-H1 axis mediates pressure overload-induced cardiac fibrosis

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Supplementary Figure 1 : Pyrazole-3 suppresses pressure overload-induced LV fibrosis in C57BL6/J mice.

(a) mRNAs of hypertrophy-related and fibrosis-related genes in mice hearts 1 week after TAC (n=4). Pyrazole-3 (Pyr3) or vehicle was administrated 1 week before TAC. (b) Representative images of picosirius red staining 6 weeks after TAC. (c) Representative images of H&E staining and picosirius red staining 6 week after TAC. Pyr3 (10 or 30 μ g/kg/day) or vehicle was administrated 1 week after TAC. (d) Cross-sectional area (CSA) of cardiomyocytes 6 weeks after TAC (n=4). (e) Results of interstitial fibrosis 6 weeks after TAC with or without Pyr3 (n=4). Error bars, s.e.m. *P<0.05, **P<0.01.



Supplementary Figure 2 : Pyrazole-3 suppresses TGF- β -induced Ca^{2+} oscillations in NRCM. Time courses of intracellular Ca^{2+} mobilization in NRCM stimulated with 10 ng/mL TGF- β 2. Cells were treated with 1 μM Pyr3.