

Supplementary information, Figure S5

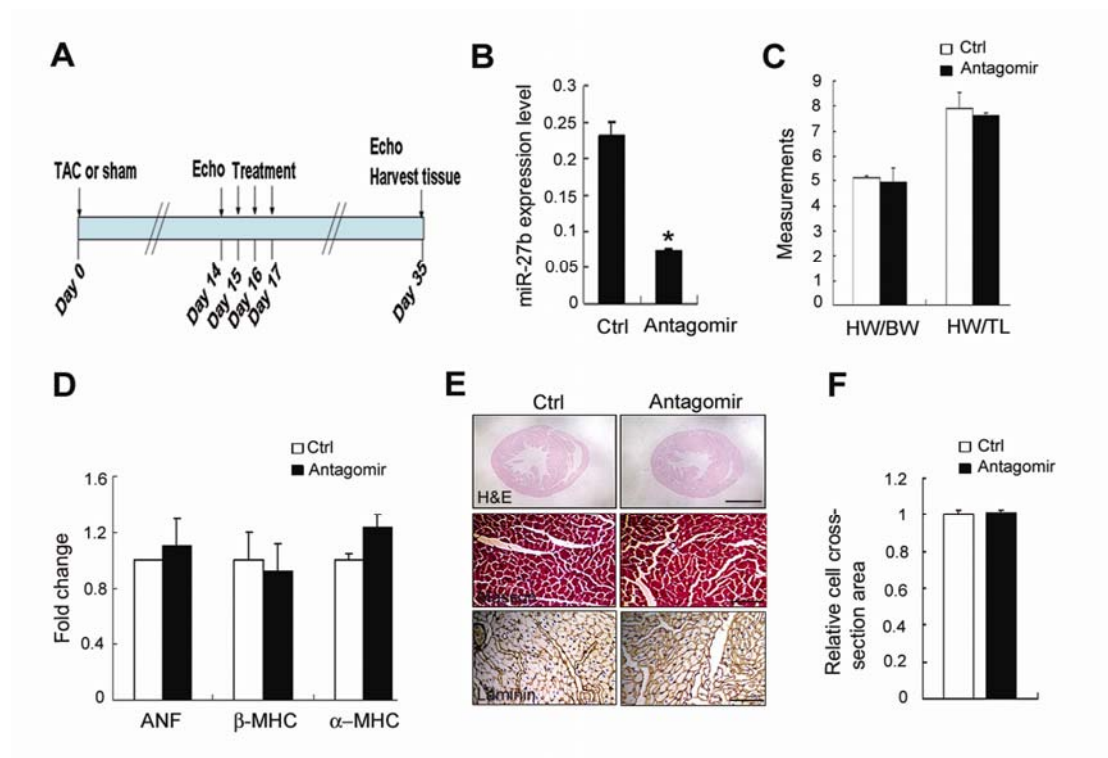


Figure S5 Design of therapeutic study. **(A)** TAC surgeries were performed on male C57BL/6 mice (8 weeks old). Treatments started 2 weeks after TAC, and animals received 0.2 ml saline (Ctrl) or antagomir-27b (3 injections in 3 consecutive days, 80 mg per kg body weight) via tail vein injections. After three weeks, the mice were killed for analysis. **(B)** Expression of mature mir-27b in mice treated with saline (Ctrl) or antagomir-27b (Antagomir) was examined by real-time PCR ($n = 3$ mice per group). **(C)** Heart weight to body weight or tibia length from mice treated with saline ($n = 5$) or antagomir-27b ($n = 4$). **(D)** Analysis of ANF, β -MHC and α -MHC in hearts from different groups by real-time PCR ($n = 3$ per condition). **(E)** Histological analysis of hearts using H&E, masson staining and laminin immunostaining. Scale bar, upper panel: 1.5 mm, middle and lower panel: 37.5 μ m. **(F)** Cross-sectional areas were analyzed after laminin immunostaining ($n = 300$ cells per condition).