Supplementary Material

Figure S1. Effects of choline on TAC-induced cardiac hypertrophy. (A) The cross sectional area of ventricular cardiomyocytes was calculated, ** P < 0.01 vs Sham; ## P < 0.01 vs TAC; && P < 0.05 vs TAC + Choline. (B) The echo images of mice in each group. C and D, Echocardiographic characteristics of mice in each group. (C) EF: ejection factor, (D) HR: heart rate ** P < 0.01 vs Sham; # P < 0.05 vs TAC; & P < 0.05 vs TAC+Choline. (E) Effect of choline on the mRNA expression of ANP and BNP in the hypertrophic left ventricular tissue. ** P < 0.01 vs Sham; # P < 0.01 vs TAC.

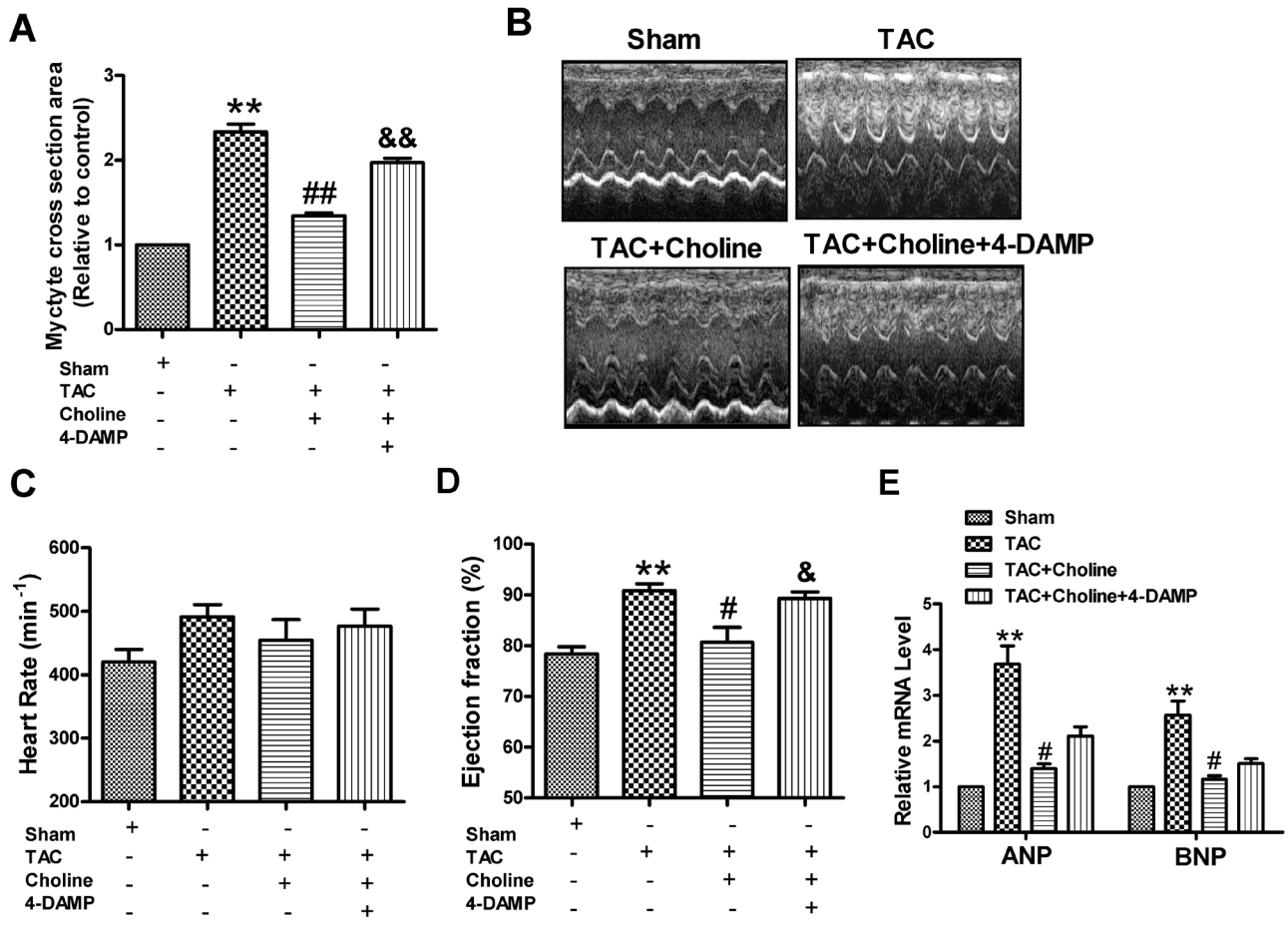

Table S1. Detailed sequences of the essential primers used in this study.

No	Gene	Sequence
1	GAPDH	Forward: 5'-AAGAAGGTGGTGAAGCAGGC -3' Reverse: 5'-TCCACCACCCAGTTGCTGTA -3'
2	U6	Forward: 5'-GCTTCGGCACATATACTAAAAT-3' Reverse: 5'-CGCTTCACGAATTTGCGTGTCAT-3'
3	β-MHC	Forward: 5'-AACCTGTCCAAGTTCCGCAAGGTG-3' Reverse: 5'-GAGCTGGGTAGCACAAGAGCTACT-3'
4	ANP	Forward: 5'-CTCCGATAGATCTGCCCTCTTGAA-3′ Reverse: 5'-GGTACCGGAAGCTGTTGCAGCCTA-3′
5	BNP	Forward: 5'-TGATTCTGCTCCTGCTTTTC -3′ Reverse: 5'-GTGGATTGTTCTGGAGACTG -3′
6	mmu-miR-133a	Forward: 5'-GGGTTTGGtCCCCTTCAA-3' Reverse: 5'-AGTGCGTGTCGTGGAGTC-3'
7	rno-miR-133a	Forward: 5'-GGGTTTGGTCCCCTTCAA-3' Reverse: 5'-CGCTTCACGAATTTGCGTGTCAT-3'