

Supplementary Table S1. Echocardiography data for WT and KO mice at weeks 8, 16, 24, and 32 under baseline and dobutamine-stressed conditions.

		WT				KO			
		W8	W16	W24	W32	W8	W16	W24	W32
HR (bpm)	Baseline	457±14	425±7	422±9	408±13	427±10	442±9	424±8	369±17
	Dobutamine	579±10*	528±5*	539±10*	516±13*	573±3*	519±10*	488±9*	416±35*
EDD (mm)	Baseline	3.71±0.07	3.47±0.09	3.69±0.13	3.84±0.07	3.60±0.08	3.62±0.09	3.71±0.1	3.59±0.08#
	Dobutamine	3.15±0.07*	3.05±0.09*	3.06±0.08*	3.07±0.12*	2.93±0.09*	3.06±0.07*	3.07±0.08*	2.97±0.13*
ESD (mm)	Baseline	2.43±0.08	2.16±0.13	2.54±0.18	2.81±0.09	2.39±0.12	2.41±0.1	2.60±0.15	2.68±0.15
	Dobutamine	1.48±0.06*	1.51±0.13*	1.48±0.16*	1.48±0.12*	1.30±0.07*	1.50±0.05*	1.59±0.17*	1.85±0.21*
FS (%)	Baseline	34±1	38±2	32±3	27±2	34±2	34±2	30±2	26±3
	Dobutamine	53±2*	51±3*	52±4*	52±3*	57±1*	51±1*	49±4*	39±5*#

HR, heart rate; EDD, end diastolic dimension; ESD, end systolic dimension; FS, fractional shortening. WT: n=11; KO; n=8. * $p < 0.05$ vs corresponding baseline values; # $p < 0.05$ vs 32 weeks old WT after dobutamine treatment.