

Supplementary Table 1. Additional left ventricle hemodynamic parameters

	Wild type	mdx	AAV. μ -dystrophin
Sample Size (N)	22	18	7
Body surface area (cm ²)	93.85 \pm 1.83 ^a	76.53 \pm 6.10	87.43 \pm 2.38
Stroke volume index (mL/m ²)	1.79 \pm 0.12	1.38 \pm 0.11	1.65 \pm 0.27
Cardiac index (L/min/m ²)	1.10 \pm 0.07 ^a	0.82 \pm 0.06	0.97 \pm 0.13
Min P (mmHg)	2.95 \pm 0.59	3.34 \pm 0.83	1.14 \pm 0.07
End systolic pressure (mmHg)	96.59 \pm 2.34	67.62 \pm 4.79 ^b	100.7 \pm 2.70
End diastolic pressure (mmHg)	6.42 \pm 0.72	5.53 \pm 0.95	4.95 \pm 0.78
Stroke work (KmmHg μ L)	1.37 \pm 0.09	0.55 \pm 0.05 ^b	1.10 \pm 0.18
Arterial elastance (mmHg/ μ L)	6.09 \pm 0.47	6.39 \pm 0.64	8.46 \pm 1.12
dV/dt max (μ L/sec)	898.4 \pm 58.1 ^a	681.4 \pm 51.5	823.1 \pm 129
dV/dt min (μ L/sec)	-1023.6 \pm 63.4 ^a	-790.9 \pm 58.7	-1012.0 \pm 123.1
<u>P@dV/dt max (mmHg)</u>	29.9 \pm 6.20	26.9 \pm 5.50	28.45 \pm 15.66
<u>P@dP/dt max (mmHg)</u>	65.7 \pm 2.00	40.3 \pm 3.67 ^b	68.82 \pm 1.77
<u>V@dP/dt max (μL)</u>	22.3 \pm 1.17	27.8 \pm 1.76 ^b	18.3 \pm 1.46
<u>V@dP/dt min (μL)</u>	7.11 \pm 0.66	18.8 \pm 1.54 ^b	7.04 \pm 1.17
Tau_W (msec)	4.93 \pm 0.17	7.95 \pm 1.24 ^b	4.80 \pm 0.20
Max Power (mWatts)	11.48 \pm 0.82	5.21 \pm 0.38 ^b	11.15 \pm 1.28
Preload adjusted max power (mWatts/ μ L ²)	282.6 \pm 31.8	92.9 \pm 17.4 ^b	386.6 \pm 90.6

^a, significantly different from mdx

^b, significantly different from the other two groups

Abbreviations: **Min P**, minimum pressure; **dV/dt**, rate of left ventricular volume change; **dV/dt max**, maximum value of dV/dt during cardiac cycle; **dV/dt min**, minimum value of dV/dt during cardiac cycle; **P@dV/dt max**, pressure at dV/dt max; **dP/dt**, rate of left ventricular pressure change; **P@dP/dt max**, pressure at the maximum value of dP/dt during cardiac cycle; **V@dP/dt max**, volume at the dP/dt max; **V@dP/dt min**, volume at the dP/dt min; **Tau_W**, isovolumic relaxation time (Weiss method); **Max power**, maximum value of the power during cardiac cycle (Power = pressure*dV/dt)