

1 Supplemental table 1.

	<i>Mus</i>			<i>Acomys</i>			<i>P-value</i>
	n	Mean	SEM	n	Mean	SEM	
Structural parameters							
BW (mg)	10	26.92	1.12	22	50.26	2.18	<0.0001*
HW (mg)	10	167.58	10.41	23	231.07	12.92	0.0034*
HW / BW	10	6.22	0.29	23	4.59	0.34	0.0058*
HW / TL	6	96.60	8.31	17	95.81	5.59	0.8648
Wet LW (mg)	10	161.40	12.55	20	204.03	9.92	0.0222*
Dry LW (mg)	10	34.91	2.42	20	41.83	2.71	0.0479*
Wet LW / BW	10	5.98	0.36	20	4.00	0.20	<0.0001*
Dry LW / BW	10	1.30	0.07	20	0.81	0.05	<0.0001*
Wet LW / TL	6	80.62	5.99	17	92.72	5.45	0.2273
Dry LW / TL	6	18.19	1.15	17	18.38	1.39	0.6088
Cardiac function							
EF (%)	30	62.94	0.94	10	65.93	1.89	0.1314
% FS	30	33.63	0.67	10	35.01	1.35	0.3626
LVEDD (mm)	30	3.72	0.04	10	3.79	0.11	0.3964
LVESD (mm)	30	2.46	0.04	10	2.47	0.10	0.7179
LVAW (mm)	30	0.78	0.02	10	0.88	0.02	0.0014*
LVPW (mm)	30	0.8210	0.0164	10	0.8951	0.0351	0.0707
LV mass / BW	30	3.31	0.07	10	2.42	0.10	<0.0001*
Stroke volume / BW	27	1.59	0.03	7	0.95	0.06	<0.0001*

**Cardiomyocyte
characteristic**

Cell surface area (μm^2)	6	2719.18	193.29	4	699.69	48.01	0.0095*
% mononuclear	4	6.32	1.89	4	16.90	0.82	0.0061*
Vessel density (/mm ²)	4	2736.29	209.44	4	2431.86	249.80	0.6857

2 BW; body weight, HW; heart weight, TL; tibial length, LW; lung wight, EF; ejection fraction,

3 LVEDD; left ventricular end-diastolic diameter, LVESD; left ventricular end-systolic diameter,

4 LVAW; left ventricular anterior wall, LV mass; left ventricular mass (*P < 0.05).

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