Echocardiographic Left Ventricular data from Titin WT and Het TAC bar
2 weeks after TAC

WT Sham

Het Sham

WT TAC

Het TAC

p values

ıded and sham mice

	Weight gm	HR BPM	IVS;d	LVID;d	LVPW;d	IVS;s
Mean	31.1	420	1.04	4.38	0.85	1.54
SD	2.28	56	0.14	0.21	0.13	0.25
Max	33.2	469	1.21	4.74	1.07	1.95
Median	31.6	438	1.07	4.29	0.80	1.49
Min	27.4	341	0.88	4.23	0.76	1.28
Mean+2SD	35.6	531	1.32	4.80	1.10	2.04
Mean-2SD	26.5	308	0.76	3.96	0.59	1.05

	gm	BPM				
Mean	31.9	406	1.07	4.33	0.96	1.58
SD	2.63	34	0.14	0.45	0.20	0.24
Max	36.0	443	1.20	4.85	1.26	1.86
Median	31.7	417	1.11	4.39	0.94	1.67
Min	28.6	331	0.76	3.60	0.66	1.13
Mean+2SD	37.1	473	1.35	5.23	1.37	2.06
Mean-2SD	26.6	338	0.80	3.42	0.55	1.10

	gm	BPM				
Mean	31.4	417	1.18	4.15	1.03	1.50
SD	2.35	46	0.17	0.47	0.10	0.17
Max	35.2	470	1.41	4.69	1.21	1.78
Median	31.2	422	1.18	4.31	1.02	1.46
Min	28.5	342	0.98	3.27	0.91	1.33
Mean+2SD	36.1	508	1.51	5.10	1.23	1.85
Mean-2SD	26.7	326	0.84	3.20	0.82	1.16

	gm	BPM				
Mean	30.3	458	1.10	4.59	1.08	1.48
SD	2.20	26	0.11	0.41	0.15	0.15
Max	32.0	494	1.28	5.40	1.26	1.67
Median	31.4	462	1.06	4.48	1.11	1.48
Min	26.7	424	0.97	4.31	0.87	1.29
Mean+2SD	34.7	509	1.32	5.40	1.38	1.78
Mean-2SD	25.9	407	0.87	3.78	0.79	1.18

Baseline; WT ı	0.58	0.57	0.69	0.83	0.30	0.78
WT; Sham vs T	0.82	0.93	0.18	0.35	0.02	0.76
Het; Sham vs T	0.25	0.01	0.74	0.29	0.23	0.40
TAC; WT vs He	0.40	0.08	0.35	0.11	0.43	0.82

LVID;s	LVPW;s		%LVPW thick	% IVS thick	FS %	LVd Mass Mar
3.14	1.22	0.94	45.1	49.3	28.3	172
0.48	0.23	0.07	25.30	25.10	9.68	25
3.49	1.43	1.01	74.7	82.2	44.0	209
3.37	1.36	0.95	33.6	39.1	26.4	171
2.37	0.96	0.84	21.0	25.6	20.1	141
4.10	1.69	1.08	95.7	99.5	47.7	223
2.19	0.76	0.81	-5.5	-0.9	9.0	121
3.04	1.30	1.02	37.5	47.3	30.5	188
0.63	0.23	0.16	20.69	12.60	8.19	50
4.06	1.54	1.23	70.0	67.6	44.7	292
3.10	1.33	1.02	35.8	46.4	30.4	185
1.99	0.89	0.71	11.0	24.5	15.9	127
4.30	1.77	1.34	78.8	72.5	46.9	289
1.77	0.83	0.70	-3.9	22.1	14.1	87
3.02	1.46	1.10	42.2	28.5	28.0	197
0.67	0.25	0.11	19.54	7.49	9.66	41
3.57	1.74	1.23	78.1	39.8	47.7	257
3.22	1.43	1.10	40.2	29.1	23.9	176
1.71	1.13	0.97	24.2	17.7	19.3	152
4.36	1.95	1.32	81.2	43.5	47.4	278
1.68	0.97	0.88	3.1	13.6	8.7	115
3.77	1.31	1.09	21.5	36.5	17.6	226
0.24	0.16	0.09	8.81	20.61	4.09	30
4.17	1.51	1.22	32.5	72.2	22.8	268
3.72	1.34	1.12	21.2	33.4	18.3	227
3.58	1.11	0.96	8.7	10.3	11.5	179
4.24	1.64	1.27	39.1	77.7	25.8	285
3.30	0.98	0.91	3.9	-4.7	9.4	166
0.76	0.58	0.36	0.56	0.85	0.68	0.52
0.74	0.12	0.02	0.82	0.06	0.96	0.26
0.02	0.91	0.33	0.10	0.24	0.00	0.13
0.03	0.23	0.84	0.04	0.36	0.03	0.18

LVs Mass Man	LV masses diff	LVwtd / Bdy Wt		ESV teich	EF teich	SV teich
183	10%	5.5		40	54%	47
14	12%	0.72		13	14%	11
207	29%	6.6		51	76%	60
181	4%	5.2		46	52%	48
173	1%	4.9		20	41%	35
211	34%	7.0		67	82%	69
156	-14%	4.1		14	26%	24
189	9%	5.8		38	57%	47
43	6%	1.15		18	12%	8
264	18%	8.1		73	77%	64
193	10%	5.7		38	58%	47
137	0%	4.3		13	34%	37
275	21%	8.1		75	82%	64
104	-3%	3.5		2	33%	31
199	5%	6.3		38	54%	40
50	4%	1.27		16	14%	6
262	13%	7.9		53	80%	49
179	4%	6.2		42	48%	40
133	1%	4.3		9	40%	33
300	13%	8.8		71	81%	51
99	-3%	3.7		5	26%	28
244	9%	7.5		61	37%	37
43	6%	1.45		9	7%	15
308	18%	10.1		77	45%	64
241	9%	7.4		59	38%	33
186	3%	5.7		54	25%	21
329	22%	10.4		80	51%	66
159	-3%	4.6		43	22%	7
0.77	0.79	0.60	0.46	0.83	0.64	0.89
0.51	0.32	0.26	0.27	0.81	0.97	0.19
0.04	0.82	0.03	0.43	0.02	0.00	0.11
0.11	0.17	0.13	0.53	0.01	0.02	0.61

EDV teich	CO teich	LV mass / LVIE	h/r	HR BPM	VTI cm	Peak Vel mm/s
87	19.7	39.2	0.43	420	4.0	1011
10	5.97	4.36	0.03	53	1.00	237
104	28.2	44.1	0.47	466	5.5	1319
83	20.7	39.1	0.43	436	3.7	951
80	12.2	32.9	0.39	340	3.0	719
107	31.6	47.9	0.49	526	6.0	1484
67	7.7	30.4	0.37	315	2.0	538

				Doppler data BPM	cm	mm/s
86	19.3	43.3	0.48	401	4.6	1126
20	4.08	9.38	0.10	36	1.66	461
110	26.6	60.2	0.64	436	7.2	2060
87	19.2	42.9	0.50	408	3.7	1015
54	12.1	27.7	0.31	321	3.1	647
126	27.4	62.1	0.67	472	7.9	2048
45	11.1	24.6	0.28	330	1.2	204

				BPM	cm	mm/s
78	16.5	47.2	0.54	400	4.3	901
20	2.69	6.76	0.10	46	0.70	172
102	20.5	57.3	0.72	452	5.4	1085
84	15.8	46.6	0.54	405	4.4	950
43	12.9	40.2	0.44	320	3.5	610
117	21.9	60.7	0.74	493	5.7	1246
39	11.2	33.7	0.34	308	3.0	556

				BPM	cm	mm/s
98	16.6	49.2	0.48	456	2.4	533
22	6.22	4.98	0.07	24	0.65	104
141	27.8	55.5	0.56	487	3.1	648
91	16.1	49.7	0.49	458	2.3	538
84	9.9	40.2	0.38	419	1.8	396
141	29.1	59.1	0.61	505	3.7	740
54	4.2	39.2	0.35	408	1.1	326

0.90	0.89	0.37	0.36	0.45	0.50	0.62
0.37	0.24	0.04	0.04	0.52	0.50	0.39
0.30	0.35	0.19	0.95	0.01	0.01	0.01
0.11	0.97	0.57	0.24	0.03	0.00	0.00

Ao Diameter	SV	CO	VTI	Peak Vel	PA Diameter
mm	ml	ml/min	cm	mm/s	mm
1.5	0.07	30.7	3.1	687.4	1.1
0.11	0.02	9.73	0.80	123.77	0.18
1.7	0.11	46.6	4.5	877.8	1.3
1.6	0.07	26.7	2.9	658.7	1.1
1.4	0.05	22.6	2.5	540.8	0.9
1.8	0.12	50.1	4.7	934.9	1.5
1.3	0.03	11.2	1.5	439.8	0.7

mm	ml	ml/min	cm	mm/s	mm
1.5	0.08	33.9	3.1	694.1	1.1
0.14	0.03	13.48	0.52	99.76	0.15
1.7	0.16	60.6	4.0	871.8	1.5
1.5	0.07	28.1	3.1	692.7	1.1
1.4	0.05	21.2	2.4	578.5	1.0
1.8	0.15	60.8	4.1	893.6	1.4
1.3	0.02	6.9	2.0	494.6	0.8

mm	ml	ml/min	cm	mm/s	mm
1.7	0.11	42.4	2.6	618.2	1.2
0.30	0.06	23.93	0.40	94.21	0.14
2.2	0.21	87.5	3.2	719.5	1.4
1.6	0.10	34.4	2.6	628.9	1.2
1.3	0.05	18.9	2.2	460.8	1.0
2.3	0.22	90.2	3.4	806.6	1.5
1.1	-0.01	-5.5	1.8	429.8	0.9

mm	ml	ml/min	cm	mm/s	mm
1.8	0.06	27.3	2.1	544.9	1.3
0.18	0.02	11.09	0.34	94.13	0.24
2.0	0.09	44.7	2.6	638.7	1.6
1.8	0.06	24.3	2.0	564.0	1.2
1.5	0.03	15.5	1.7	407.4	1.0
2.1	0.11	49.5	2.8	733.1	1.8
1.4	0.01	5.1	1.4	356.6	0.8

0.88	0.53	0.66	0.87	0.92	0.90
0.25	0.26	0.33	0.20	0.32	0.45
0.02	0.15	0.35	0.00	0.02	0.11
0.63	0.09	0.19	0.03	0.21	0.43

SV	CO
ml	ml/min
0.0	12.7
0.01	4.12
0.0	18.0
0.0	11.2
0.0	8.7
0.1	20.9
0.0	4.4

ml	ml/min
0.0	11.9
0.01	3.79
0.1	17.9
0.0	11.6
0.0	7.4
0.1	19.4
0.0	4.3

ml	ml/min
0.0	11.7
0.01	3.15
0.0	16.5
0.0	10.1
0.0	9.1
0.0	18.0
0.0	5.4

ml	ml/min
0.0	12.2
0.01	3.56
0.0	16.2
0.0	12.3
0.0	7.9
0.0	19.3
0.0	5.1

0.92	0.72
0.80	0.66
0.58	0.86
0.62	0.79