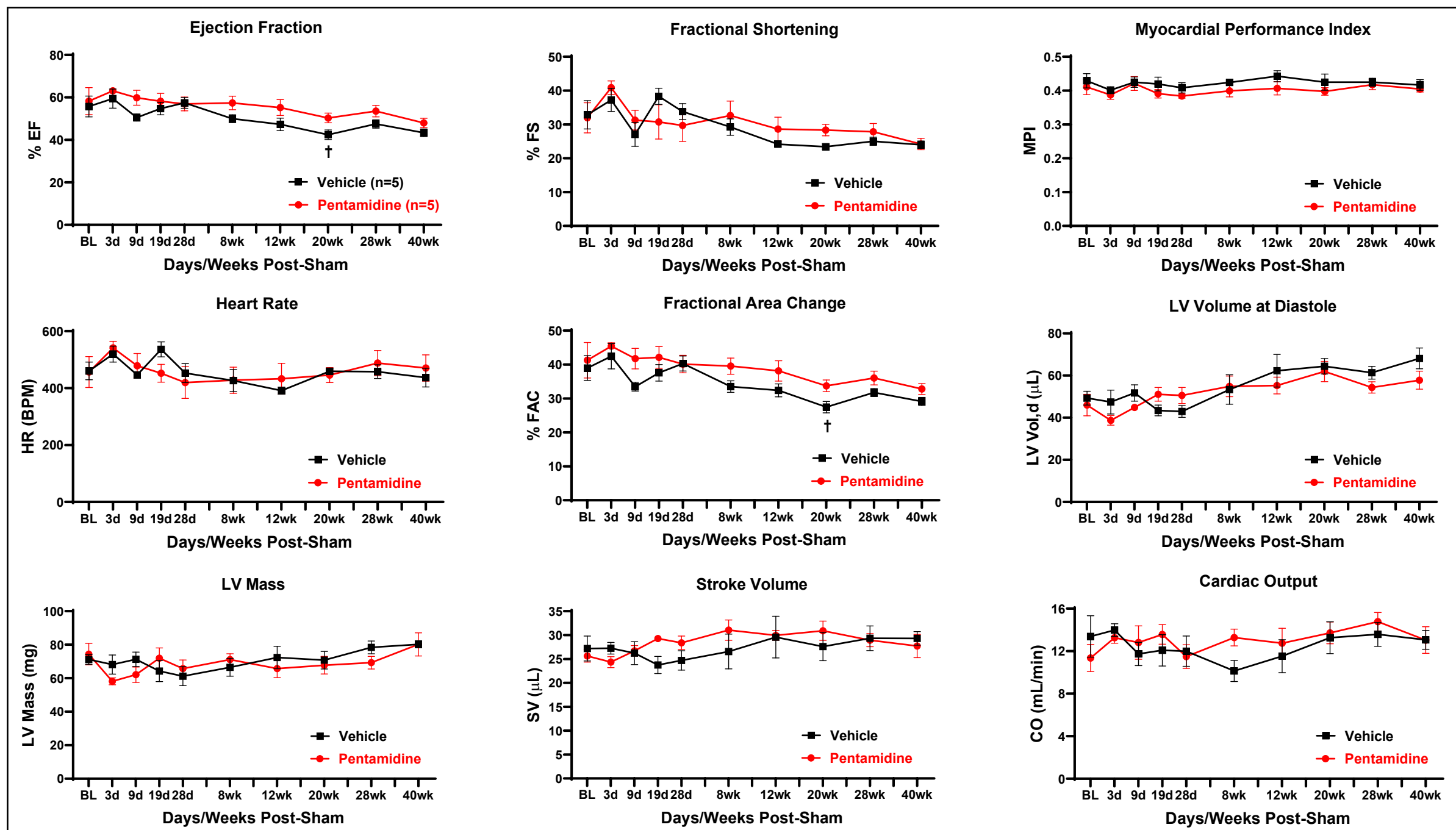


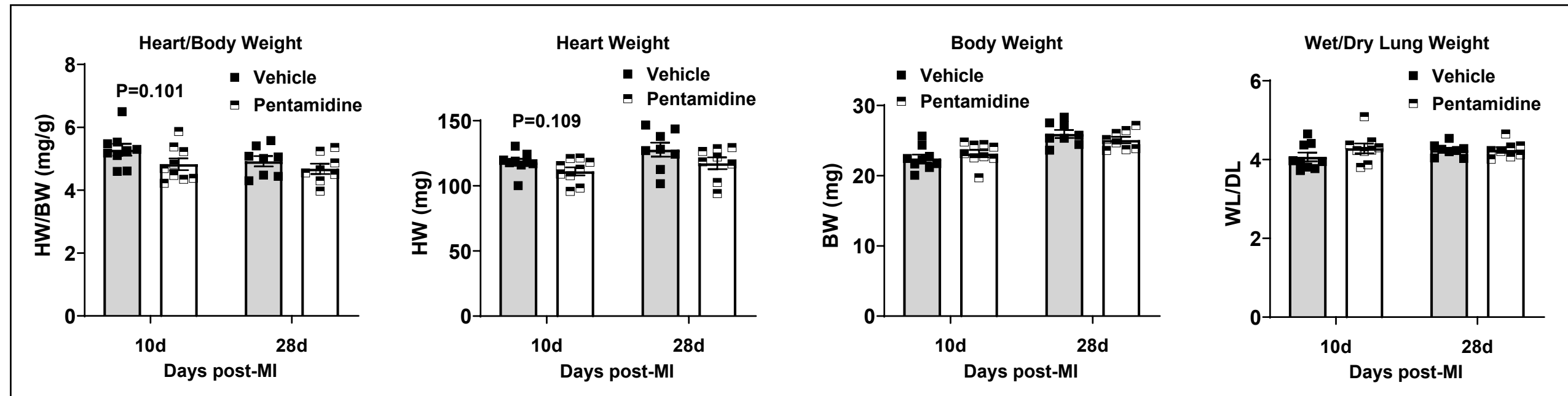
Supplemental Table 1				
Antibodies for Immunofluorescent Staining				
Antigen	Manufacturer	Catalog #	Made in	Dilution
1° 5'-bromodeoxyuridine (BrdU)	Abcam	ab6326	rat	1:200
2° goat anti-rat 568	Invitrogen	A-11077	goat	1:500
1° bulk H2A.Z	Active Motif	39013	rabbit	1:200
2° goat anti-rabbit 568	Invitrogen	A-11036	goat	1:500
1° Acetyl- H2A.Z (Lys4/Lys7)	Cell Signaling Tech	75336	rabbit	1:100
2° goat anti-rabbit 568	Invitrogen	A-11036	goat	1:500
1° phospho-histone H3 (pH3)	EMD Millipore	06-570	rabbit	1:400
2° goat anti-rabbit 568	Invitrogen	A-11036	goat	1:500
1° Ki67	Invitrogen	14-5698-82	rat	1:250
2° goat anti-rat 568	Invitrogen	A-11077	goat	1:500
1° cardiac-Troponin-T (cTnT)	Abcam	ab8295	mouse	1:2000
2° goat anti-mouse 488	Invitrogen	A-11029	goat	1:500
1° cleaved caspase-3	Cell Signaling Tech	9661	rabbit	1:50
2° goat anti-rabbit 568	Invitrogen	A-11036	goat	1:500
1° α-actinin, sarcomeric	Abcam	ab68167	Rabbit	1:500
2° goat anti-rabbit 488	Invitrogen	A-11034	goat	1:500

Supplemental Table 2. Primers/Probes for Taqman qRT-PCR Gene Expression Analysis	
Gene Target	Taqman Probe Kit (Thermo-Fisher catalog #)
<i>Cdkn1a</i> (p21)	Mm00432448_m1
<i>Cdkn1b</i> (p27)	Mm00438168_m1
<i>Gapdh</i>	Mm99999915_g1
<i>Gja1</i>	Mm00439105_m1
<i>Mapt</i>	Mm00521988_m1
<i>Osm</i>	Mm01193966_m1
<i>Osmr</i>	Mm01307326_m1
<i>Runx1</i>	Mm01213404_m1
<i>Tnni1</i>	Mm00502426_m1
<i>Tnni3</i>	Mm01330975_g1
<i>Trp53</i> (p53)	Mm01731290_g1
<i>Wee1</i>	Mm00494175_m1



Supplemental Figure S1. Cardiac Function in Sham-Operated Mice Measured by Echocardiography.

Wild-type mice were subjected to sham surgery and injected daily with pentamidine (3 mg/kg; i.p.) or PBS for 14 consecutive days beginning three days after induction of MI. Data are mean $\pm$ SEM. *P<0.05 vs. Vehicle and †P<0.05 vs baseline value analyzed by two-way repeated measures ANOVA followed by Bonferroni's (effect of treatment) and Dunnett's (effect of time) multiple comparisons.



Supplemental Figure S2. Heart and Body Weight Measurements at 10 and 28 Days after Myocardial Infarction (MI). Wild-type mice were subjected to MI and injected daily with pentamidine (3 mg/kg) or PBS for 14 consecutive days beginning three days after induction of MI. Data (mean ± SEM) are compared by unpaired, two-tailed Student's t tests with Welch's correction.