

Appendix:
ANOVA Tables

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC I during FO and NFO

Source of Variation	DF	SS	MS	F	P
Condition	1	12.820	12.820	1.329	0.262
#-FO(Condition)	21	202.60	9.648		
Muscle	1	126.97	126.97	8.264	0.009
Condition x Muscle	1	1.267	1.267	0.0825	0.777
Residual	21	322.66	15.365		
Total	45	677.79	15.062		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC IIa during FO and NFO

Source of Variation	DF	SS	MS	F	P
Condition	1	2.422	2.422	0.315	0.581
#-FO(Condition)	21	161.69	7.700		
Muscle	1	2.554	2.554	0.513	0.482
Condition x Muscle	1	0.167	0.167	0.0335	0.857
Residual	21	104.50	4.976		
Total	45	271.22	6.027		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC IIx during FO and NFO

Source of Variation	DF	SS	MS	F	P
Condition	1	81.528	81.528	1.512	0.232
#-FO(Condition)	21	1131.9	53.904		
Muscle	1	33.380	33.380	0.995	0.330
Condition x Muscle	1	13.559	13.559	0.404	0.532
Residual	21	704.37	33.542		
Total	45	1992.9	44.288		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC IIb during FO and NFO

Source of Variation	DF	SS	MS	F	P
Condition	1	70.43	70.436	1.008	0.327
#-FO (Condition)	21	1467.13	69.864		
Muscle	1	398.91	398.91	11.293	0.003
Condition x Muscle	1	0.390	0.390	0.0110	0.917
Residual	21	741.78	35.323		
Total	45	2762.3	61.386		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for body weight during CHF

Source of Variation	DF	SS	MS	F	P
COND	1	2621.2	2621.2	5.144	0.035
#(COND)	20	10192.2	509.613		
MUSCLE	1	0.000	0.000	0.000	1.000
COND x MUSCLE	1	0.000	0.000	0.000	1.000
Residual	20	3.71E-02	1.85E-026		
Total	43	12813.5	297.990		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for absolute plantaris mass during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
COND	1	0.0276	0.0276	7.683	0.012
#(COND)	20	0.0719	0.00359		
MUSCLE	1	0.126	0.126	99.476	<0.001
COND x MUSCLE	1	0.00006	0.00006	0.0478	0.829
Residual	20	0.0254	0.00127		
Total	43	0.273	0.00634		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for relative plantaris mass during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
COND	1	0.103	0.103	3.440	0.078
#(COND)	20	0.599	0.0300		
MUSCLE	1	1.720	1.720	104.34	<0.001
COND x MUSCLE	1	0.00004	0.00004	0.00252	0.960
Residual	20	0.330	0.0165		
Total	43	3.007	0.0699		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for absolute plantaris mass during CHF and SHAM

Source of Variation	DF	SS	MS	F	P
CONDITION	1	0.0021	0.0021	0.607	0.452
#-C(CONDITION)	11	0.0389	0.00353		
muscle leg	1	0.00003	0.00003	0.222	0.647
CONDITION x leg	1	0.0001	0.0001	0.901	0.363
Residual	11	0.0017	0.000155		
Total	25	0.0429	0.00172		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for relative plantaris mass during CHF and SHAM

Source of Variation	DF	SS	MS	F	P
CONDITION	1	0.0513	0.0513	3.626	0.083
#-C(CONDITION)	11	0.156	0.0142		
muscle leg	1	0.0004	0.0004	0.265	0.617
CONDITION x leg	1	0.0014	0.0014	0.776	0.397
Residual	11	0.0207	0.00188		
Total	25	0.230	0.00921		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for whole muscle SERCA expression during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Condition	1	0.0479	0.0479	1.606	0.219
Animal(Condition)	21	0.627	0.0298		
Muscle	1	0.0347	0.0347	5.638	0.027
Condition x Muscle	1	0.0034	0.0034	0.567	0.460
Residual	21	0.129	0.00615		
Total	45	0.859	0.0191		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for Ca²⁺ uptake measures during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Cond	1	0.355	0.355	2.458	0.125
#(Cond)	34	6.088	0.179		
muscle	1	0.735	0.735	18.579	<0.001
Cond x muscle	1	0.118	0.118	2.986	0.099
Residual	21	0.831	0.0396		
Total	58	8.901	0.153		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC I-based fiber type during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	638.31	319.15	11.937	<0.001
Col 3	1	87.063	87.063	3.256	0.083
Col 2 x Col 3	2	27.237	13.618	0.509	0.607
Residual	26	695.13	26.736		
Total	31	1425.4	45.983		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC IIa-based fiber type during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	40.018	20.009	0.539	0.589
Col 3	1	18.401	18.401	0.496	0.487
Col 2 x Col 3	2	2.098	1.049	0.0283	0.972
Residual	26	964.43	37.094		
Total	31	1023.8	33.028		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC IIx-based fiber type during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	1264.1	632.05	7.571	0.003
Col 3	1	186.36	186.36	2.232	0.147
Col 2 x Col 3	2	304.20	152.10	1.822	0.182
Residual	26	2170.6	83.487		
Total	31	3993.4	128.822		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for SERCA 1 expression in individual fibers during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	718.6	359.32	12.000	<0.001
Col 3	1	0.062	0.0627	0.0021	0.964
Col 2 x Col 3	2	8.432	4.216	0.141	0.869
Residual	26	778.5	29.944		
Total	31	1498.9	48.354		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for SERCA 2 expression in individual fibers during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	416.21	208.10	8.839	0.001
Col 3	1	83.592	83.592	3.551	0.071
Col 2 x Col 3	2	113.25	56.627	2.405	0.110
Residual	26	612.13	23.544		
Total	31	1197.5	38.629		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for SERCA1& 2 expression in individual fibers during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	56.666	28.333	1.719	0.199
Col 3	1	13.883	13.883	0.842	0.367
Col 2 x Col 3	2	82.014	41.007	2.488	0.103
Residual	26	428.56	16.483		
Total	31	594.00	19.161		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for CSA MHC I-based fiber type during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	46873	23436	10.208	<0.001
Col 3	1	10232	10232	0.446	0.510
Col 2 x Col 3	2	55916	27958	1.218	0.312
Residual	26	59692	22958		
Total	31	11464	36982		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for CSA MHC IIa-based fiber type during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	32731	16367	6.954	0.004
Col 3	1	14999	14999	0.637	0.432
Col 2 x Col 3	2	39310	19655	0.0835	0.920
Residual	26	61187	23533		
Total	31	96156	31018		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for CSA MHC IIa-based fiber type during CHF-FO and SHAM-FO

Source of Variation	DF	SS	MS	F	P
Col 2	2	23922	11961	4.629	0.019
Col 3	1	37965	37965	1.469	0.236
Col 2 x Col 3	2	21313	10656	0.412	0.666
Residual	26	67181	25839		
Total	31	97431	31429		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC I and IIa changes in the soleus during CHF

Source of Variation	DF	SS	MS	F	P
Cond	2	1.1E-03	5.9E-03	5.20E-01	1.0
Animal (cond)	16	3.8E-02	2.3E-03		
Type	1	51541	51541	172.1	<0.001
Cond x Type	1	205.02	102.51	0.342	0.715
Residual	26	4790.9	299.43		
Total	31	56339	1522.6		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC IIx and IIb changes in the white gastrocnemius during CHF

Source of Variation	DF	SS	MS	F	P
Cond	2	1.7E-03	5.3E-03	3.15E-02	1.0
Animal (cond)	17	0.000	0.000		
Type	1	28086	28086	98.76	<0.001
Cond x Type	2	672.86	336.4	1.183	0.330
Residual	17	4834.7	284.40		
Total	31	33112	849.03		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC I, IIa, IIx and IIb changes in the red gastrocnemius during CHF

Source of Variation	DF	SS	MS	F	P
Cond	2	2.641	1.320	1.045	0.373
Animal (cond)	17	21.47	1.263		
Type	3	12935	4311.7	140.32	<0.001
Cond x Type	6	1126.5	187.75	6.110	<0.001
Residual	51	1567.0	30.73		
Total	79	15769	199.61		

Table Two-Way ANOVA (Condition x Time) repeated measures ANOVA for MHC I, IIa, IIx and IIb changes in the plantaris during CHF

Source of Variation	DF	SS	MS	F	P
Cond	2	0.244	0.122	0.831	0.452
Animal (cond)	17	2.493	0.147		
Type	3	30817	1027	351.8	<0.001
Cond x Type	6	401.4	66.89	2.291	0.049
Residual	51	1489.3	29.202		
Total	79	33205	420.327		