

**Supplementary Table I:** *List of primary and secondary antibodies utilized in this study*

<b>Antibody</b>	<b>Host Species</b>	<b>Source</b>	<b>Catalog</b>	<b>Dilution</b>
34C (RyR1/3)	Mouse	Iowa Hybridoma Bank, culture media	N/A	1:500
Acetyl-CoA Carboxylase	Rabbit	Cell Signaling	3676	1:1,000
Phospho-Acetyl-CoA Carboxylase (Ser79)	Rabbit	Cell Signaling	3661	1:1,000
Actin	Goat	Santa Cruz	sc-1615	1:5,000
AMPK $\alpha$	Rabbit	Cell Signaling	2603	1:1,000
Phospho-AMPK $\alpha$ (Thr172)	Rabbit	Cell Signaling	2535	1:1,000
Complex II, 70 kDa subunit	Mouse	Molecular Probes	A11142	1:10,000
Cytochrome <i>c</i>	Mouse	7H8.2C12 Ascites		1:1,000
Cytochrome <i>c</i> oxidase subunit I	Mouse	Santa Cruz	sc-58347	1:200
Cytochrome <i>c</i> oxidase subunit II	Mouse	Molecular Probes	A6404	1:2,000
F <sub>1</sub> -ATPase $\beta$ subunit	Mouse	BD Biosciences	612518	1:5,000
MnSOD	Rabbit	Upstate	06-984	1:5,000
Myoglobin	Goat	Santa Cruz	sc-8081	1:100
NDUFS2 (IP49K)	Rabbit	Gift from Mutsuo Yamaguchi (Scripps Institute)	N/A	1:1,000
Nitrotyrosine	Mouse	Upstate	05-233	1:2,000
p44/42 MAPK (Erk1/2)	Rabbit	Cell Signaling	9102	1:1,000
Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204)	Mouse	Cell Signaling	9106	1:1,000
PKC $\epsilon$	Rabbit	Cell Signaling	2683S	1:1,000
Phospho-PKC (pan) ( $\beta$ II Ser660)	Rabbit	Cell Signaling	9371	1:1,000
PKC $\alpha$	Rabbit	Cell Signaling	2056	1:1,000
Phospho-PKC $\alpha/\beta$ II (Thr638/641)	Rabbit	Cell Signaling	9375	1:1,000
Phospho-PKC $\delta$ (Thr505)	Rabbit	Cell Signaling	9374	1:1,000
Phospho-PKC $\delta/\theta$ (Ser643/676)	Rabbit	Cell Signaling	9376	1:1,000
Phospho-PKC $\zeta/\lambda$ (Thr410/403)	Rabbit	Cell Signaling	9378	1:1,000
Phospho-PKC $\theta$ (Thr538)	Rabbit	Cell Signaling	9377	1:1,000
PKD/PKC $\mu$	Rabbit	Cell Signaling	2052	1:1,000
Phospho-PKD/PKC $\mu$ (Ser744/748)	Rabbit	Cell Signaling	2054	1:1,000
Phospho-PKD/PKC $\mu$ (Ser916)	Rabbit	Cell Signaling	2051	1:1,000
PP2B-A	Rabbit	Santa Cruz	sc-9070	1:200
RCAN-1 (DSCR-1)	Rabbit	Santa Cruz	sc-66864	1:10,000
VDAC1	Goat	Santa Cruz	sc-8828	1:200
Anti-Mouse HRP	Goat	Zymed	62-6520	1:5,000
Anti-Goat HRP	Donkey	Santa-Cruz	sc-2020	1:1,000
Anti-Rabbit HRP	Goat	Cell Signaling	7074	1:2,000