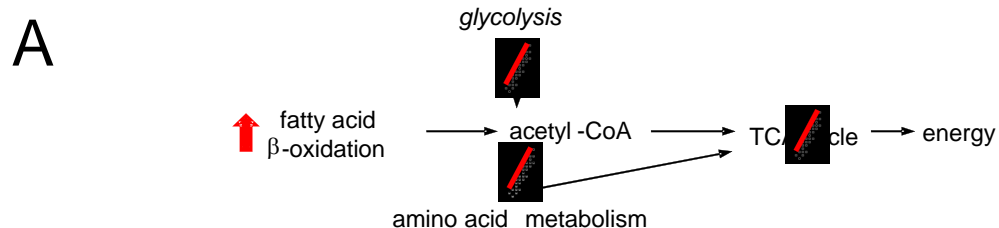


# Additional File 6



**B**

Biochemical Name	Fold change, Heat/Control			
	T <sub>c,Max</sub>	24 hr Recovery	Heat 48 hr Uninjured	Heat 48 hr Injured
pelargonate (9:0)	-1.96	1.02	1.08	-1.09
heptanoate (7:0)	-1.85	-1.05	-1.01	-1.32
caprate (10:0)	-1.43	1.01	1.15	1.08
caprylate (8:0)	-1.33	-1.03	1.06	-1.12
undecanoate (11:0)	-1.27	1.52	-1.09	1.11
laurate (12:0)	-1.18	1.12	1.08	1.11
caproate (6:0)	-1.03	-1.05	-1.05	-1.02
isocaproate	2.59	2.26	1.21	1.61

**C**

Biochemical Name	Fold change, Heat/Control			
	T <sub>c,Max</sub>	24 hr Recovery	Heat 48 hr Uninjured	Heat 48 hr Injured
3-dehydrocarnitine*	1.17	1.16	-1.17	-1.27
acetylcarnitine	1.24	1.04	-1.01	1.07
carnitine	1.03	1.11	-1.06	1.21
deoxycarnitine	-1.12	1.08	-1.14	-1.04
hexanoylcarnitine	1.41	1.28	1.35	1.58
oleoylcarnitine	-1.05	1.52	2.67	3.17
palmitoylcarnitine	-1.22	1.10	2.37	2.67
stearoylcarnitine	-1.30	1.07	1.87	1.98
3-hydroxybutyrate (BHBA)	2.58	-1.10	-1.00	-1.11