

Additional File 5

A

Biochemical Name	Fold change, Heat/Control			
	T _{c,Max}	24 hr Recovery	Heat 48 hr Uninjured	Heat 48 hr Injured
Amino Acids				
alanine	-1.69	-1.16	-1.18	-1.09
proline	-1.56	-1.10	-1.18	-1.17
arginine	-1.41	-1.04	-1.05	1.05
asparagine	-1.35	-1.33	-1.22	-1.25
serine	-1.32	-1.11	-1.15	1.11
threonine	-1.32	-1.06	-1.14	-1.11
histidine	-1.14	-1.03	-1.04	1.02
glycine	-1.12	1.01	1.02	1.09
glutamine	1.06	1.05	1.01	1.15
phenylalanine	1.06	1.02	-1.03	1.07
tyrosine	1.14	1.06	1.01	1.10
methionine	1.15	-1.03	1.03	1.08
isoleucine	1.18	-1.14	-1.11	-1.08
lysine	1.22	1.62	1.60	2.87
leucine	1.25	-1.08	-1.14	-1.10
valine	1.27	-1.15	-1.14	-1.08
tryptophan	1.40	-1.18	-1.04	-1.02
cysteine	1.96	-1.03	1.05	1.25
Glycolysis, gluconeogenesis, pyruvate metabolism				
glutamate	2.87	-1.45	-1.34	-1.16
1,3-dihydroxyacetone	-1.47	1.09	1.18	-1.04
glucose	-1.11	-1.15	-1.08	-1.00
pyruvate	-1.09	-1.20	1.01	-1.25
lactate	1.03	-1.05	-1.15	-1.10
1,5-anhydroglucitol (1,5-AG)	1.20	-1.11	-1.01	1.01
3-phosphoglycerate	1.37	1.05	1.36	1.38
glycerate	1.56	-1.25	-1.41	-1.99

B

