

Table S1: Statistical results of one-way ANOVA in the normoxia control group to assess circadian rhythms in the absence of hypoxia.

	Main effects of time in the muscle		Main effects of time in the liver	
	F	P	F	P
Oxidation potential	2.606 (5, 67)	0.0326	5.442 (5, 73)	0.0003
[GSH+GSSG]	1.952 (5, 66)	0.0974	0.3992 (5, 69)	0.8478
[GSH]	1.637 (5, 65)	0.1628	0.3566 (5, 68)	0.8763
[GSSG]	1.573 (5, 66)	0.1799	1.851 (5, 67)	0.1148
[GSH]:[GSSG]	0.9568 (5, 66)	0.4507	1.178 (5,66)	0.3292
Lipid peroxidation	1.260 (5, 66)	0.2916	1.437 (5, 69)	0.2220
Aconitase	0.4448 (5, 65)	0.8155	----	----
TOSC	0.6090 (5, 67)	0.6932	3.191 (5, 76)	0.0114
Catalase	1.147 (5, 69)	0.3441	1.075 (5, 64)	0.3825
GPX	2.396 (5, 65)	0.0467	1.847 (5, 63)	0.1165

GPX, glutathione peroxidase; GSH, reduced glutathione; GSSG, oxidized glutathione; TOSC, total oxidant scavenging capacity. The degrees of freedom for the numerator and the denominator, respectively, for each ANOVA are reported in parentheses.