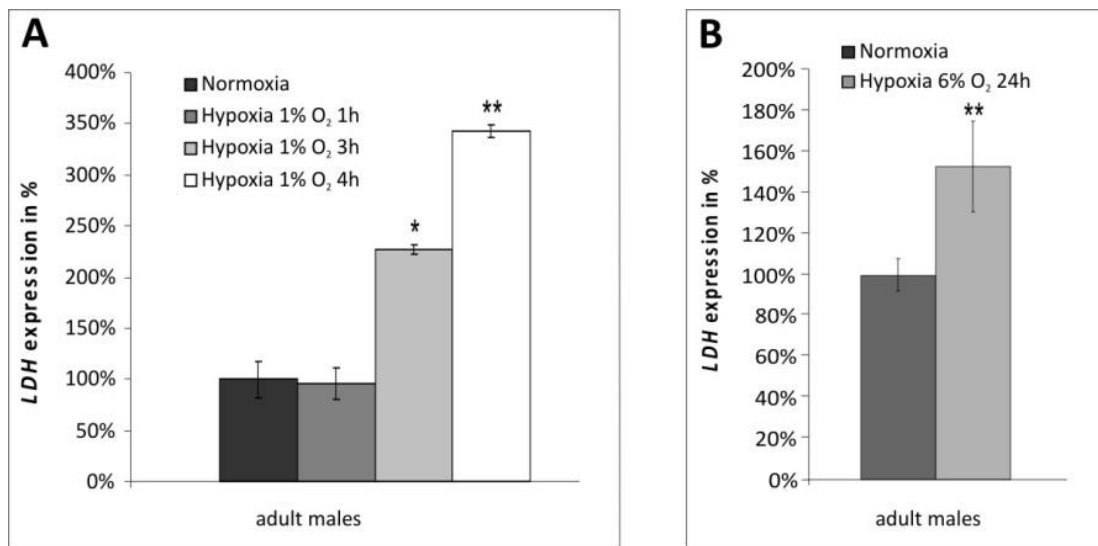




Additional File 6: Regulation of *LDH* mRNA in *D. melanogaster* male adults after hypoxic stress

mRNA levels (bars) are shown relative to the gene expression at normoxia (21%). (A) *LDH* expression after 1% O₂ for 1 h, 3 h and 4 h. After 1 h of hypoxia, no alteration in *LDH* expression could be detected. 3 h of hypoxia caused the *LDH* mRNA levels to increase about 2,2 fold and 4 h of hypoxia to about 3,4 fold compared to the normoxic control (B) *LDH* expression after 6 % O₂ for 24 h. After applying long-term moderate hypoxia with 6 % O₂ for 24 h, an increase in *LDH* mRNA expression to about 1,5 fold could be detected (*p < 0.05; **p < 0.01).