

Storey and Hochachka publications

1. Hochachka, P.W., Mommsen, T.P., Storey, J.M., Storey, K.B., Johansen, K. and French, C.J. 1983. The relationship between arginine and proline metabolism in cephalopods. *Mar. Biol. Lett.* 4, 1-21.
2. Dando, P.R., Storey, K.B., Hochachka, P.W. and Storey, J.M. 1981. Multiple dehydrogenases in marine molluscs: electrophoretic analysis of alanopine dehydrogenase, strombine dehydrogenase, octopine dehydrogenase and lactate dehydrogenase. *Mar. Biol. Lett.* 2, 249-257.
3. Storey, K.B., Storey, J.M., Johansen, K. and Hochachka, P.W. 1979. Octopine metabolism in *Sepia officinalis*: effect of hypoxia and metabolite loads on the blood levels of octopine and related compounds. *Can. J. Zool.* 57, 2331-2336.
4. Hochachka, P.W., Storey, K.B., French, C.J. and Schneider, D.E. 1979. Hydrogen shuttles in air versus water breathing fishes. *Comp. Biochem. Physiol.* 63B, 45-56.
5. Hochachka, P.W., Schneider, D.E. and Storey, K.B. 1979. Hydrogen shuttles in gills of water versus air breathing osteoglossids. *Comp. Biochem. Physiol.* 63B, 57-61.
6. Storey, K.B., Fields, J.H.A. and Hochachka, P.W. 1978. Purification and properties of glutamate dehydrogenase from the mantle muscle of the squid, *Loligo pealeii*. Role of the enzyme in energy production from amino acids. *J. Exp. Zool.* 205, 111-118.
7. Storey, K.B., Guderley, H.E., Guppy, M. and Hochachka, P.W. 1978. Control of ammoniogenesis in the kidney of water- and air-breathing osteoglossids: control of glutamate dehydrogenase. *Can. J. Zool.* 56, 845-851.
8. Hochachka, P.W., Guppy, M., Guderley, H.E., Storey, K.B. and Hulbert, W.C. 1978. Metabolic biochemistry of water versus air breathing fishes: muscle enzymes and ultrastructure. *Can. J. Zool.* 56, 736-750.
9. Hochachka, P.W., Guppy, M., Guderley, H.E., Storey, K.B. and Hulbert, W.C. 1978. Metabolic biochemistry of water versus air breathing osteoglossids: heart enzymes and ultrastructure. *Can. J. Zool.* 56, 759-768.
10. Hochachka, P.W., Storey, K.B., Guderley, H.E. and Fields, J.H.A. 1977. Hydrogen bond versus hydrophobic bond contributions to binding by adenosine deaminase. *Int. J. Biochem.* 8, 183-186.
11. Fields, J.H.A., Guderley, H.E., Storey, K.B. and Hochachka, P.W. 1976. The pyruvate branchpoint in squid brain: competition between octopine dehydrogenase and lactate dehydrogenase. *Can. J. Zool.* 54, 879-885.
12. Guderley, H.E., Storey, K.B., Fields, J.H.A. and Hochachka, P.W. 1976. Catalytic and regulatory properties of pyruvate kinase isozymes from octopus mantle muscle and liver. *Can. J. Zool.* 54, 863-870.
13. Fields, J.H.A., Guderley, H.E., Storey, K.B. and Hochachka, P.W. 1976. Octopus mantle citrate synthase. *Can. J. Zool.* 54, 886-891.
14. Guderley, H.E., Storey, K.B., Fields, J.H.A. and Hochachka, P.W. 1976. Pyruvate kinase from *Oplophorus gracilirostris*. *Comp. Biochem. Physiol.* 55B, 475-478.
15. Storey, K.B. and Hochachka, P.W. 1975. Redox regulation of muscle phosphofructokinase in a fast swimming squid. *Comp. Biochem. Physiol.* 52B, 159-164.
16. Storey, K.B. and Hochachka, P.W. 1975. Squid mantle muscle fructose diphosphatase and its role in the control of F6P-FDP cycling. *Comp. Biochem. Physiol.* 52B, 165-168.
17. Storey, K.B. and Hochachka, P.W. 1975. Alpha-glycerophosphate dehydrogenase: its role in the control of the cytoplasmic arm of the alpha-glycerophosphate cycle in squid mantle muscle. *Comp. Biochem. Physiol.* 52B, 169-174.
18. Storey, K.B. and Hochachka, P.W. 1975. The kinetic requirements of cytoplasmic alpha-glycerophosphate dehydrogenase in muscles with active alpha-glycerophosphate cycles. *Comp. Biochem. Physiol.* 52B, 175-178.
19. Storey, K.B. and Hochachka, P.W. 1975. Squid muscle glyceraldehyde-3-phosphate dehydrogenase: control of the enzyme in a tissue with an active alpha-glycerophosphate cycle. *Comp. Biochem. Physiol.* 52B, 179-182.
20. Storey, K.B. and Hochachka, P.W. 1975. Squid muscle pyruvate kinase: control properties in a tissue with an active alpha-glycerophosphate cycle. *Comp. Biochem. Physiol.* 52B, 187-192.
21. Storey, K.B., Mustafa, T. and Hochachka, P.W. 1975. Squid muscle malic enzyme. *Comp. Biochem. Physiol.* 52B, 183-186.
22. Hochachka, P.W. and Storey, K.B. 1975. Metabolic consequences of diving in animals and man. *Science* 187, 613-621.
23. Hochachka, P.W., Moon, T.W., Mustafa, T. and Storey, K.B. 1975. Metabolic sources of power for mantle muscle of a fast swimming squid. *Comp. Biochem. Physiol.* 52B, 151-158.
24. Hochachka, P.W., Storey, K.B. and Baldwin, J. 1975. Squid muscle citrate synthase: control of carbon entry into the Krebs cycle. *Comp. Biochem. Physiol.* 52B, 193-199.
25. Hochachka, P.W., Storey, K.B. and Baldwin, J. 1975. Design of acetylcholinesterase for its physical environment. *Comp. Biochem. Physiol.* 52B, 13-18.
26. Hochachka, P.W., Storey, K.B. and Baldwin, J. 1975. Gill citrate synthase from an abyssal fish. *Comp. Biochem. Physiol.* 52B, 43-50.
27. Baldwin, J., Storey, K.B. and Hochachka, P.W. 1975. Lactate dehydrogenase M4 of an abyssal fish: strategies for function at low temperatures and high pressures. *Comp. Biochem. Physiol.* 52B, 19-24.
28. Storey, K.B. and Hochachka, P.W. 1974. Enzymes of energy metabolism in a vertebrate facultative anaerobe, *Pseudemys scripta*: turtle heart phosphofructokinase. *J. Biol. Chem.* 249, 1417-1422.
29. Storey, K.B. and Hochachka, P.W. 1974. Enzymes of energy metabolism in a vertebrate facultative anaerobe, *Pseudemys scripta*: turtle heart pyruvate kinase. *J. Biol. Chem.* 249, 1423-1427.
30. Storey, K.B. and Hochachka, P.W. 1974. Activation of muscle glycolysis: a role for creatine phosphate in phosphofructokinase regulation. *FEBS Lett.* 46, 337-339.
31. Storey, K.B. and Hochachka, P.W. 1974. Glycolytic enzymes in muscle of the pacific dolphin: role of pyruvate kinase in aerobic-anaerobic transition during diving. *Comp. Biochem. Physiol.* 49B, 119-128.