

Sloan, John (1984). "Examination of Protein polymorphism at the LDH-B locus in *Fundulus heteroclitus* Due to Environmental Variability in a Marsh".

This paper gives new support for what are as yet only a handful of examples of natural selection taking place at the molecular level. In this case selection is taking place on the LDH-B locus in *Fundulus heteroclitus* occurring in a salt marsh at the Northern end of a previously established cline for this enzyme. Due to environmental variability and unpredictability a balanced polymorphism in the LDH-B enzyme may exist in a salt marsh environment. In these areas of high variability within the marsh, a higher frequency of the Southern, LDH-B<sup>B</sup> allele occurs than previously documented. Differences in gene frequencies were also found within the marsh. LDH provides a unique enzyme system because much evidence has shown a correlation between genotype differences and differences in fitness components.