CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY

Name(s)
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Project Number
S1910

Project Title
Isolation and Sequencing of Mitochondrial DNA

Abstract

Objectives/Goals
The objective in this project is to determine whether the amount of variation present within a population is sufficient to warrant a separation of the group into various species.

Methods/Materials
DNA was isolated, purified, quantified, and visualized. Once the DNA purity was varified, isolates were exposed to PCR condtions and specified primers were used to obtain an 1100bp sequence of the mitochondrial gerone. The sequences were then run throguh an ABI flourescent sequence. Lastly, the sequences were compared using various computer programs to analyze and determine the degree of variation.

Results
Ample variation was found to support the separation of the species into two distinct groups.

Conclusions/Discussion
Additional research must be done in order to support the findings from this preliminary project.

Summary Statement
My project was about finding the genetic variation within a large group of iguanas

Help Received