CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

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Name(s)	Project Number
Mark A. Herron	
	22862
Project Title	
Isolation and Sequencing of Mitochondrial DNA	()
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Objectives/Goals Abstract	
The objective in this project is to determine whether the amount of variation pro-	ent within a population is
sufficient to warrant a separation of the group into various species.	
Methods/Materials	vaturified isolates were
DNA was isolated, purified, quantified, and visualized. Once the DNA purity exposed to PCR conditions and specified primers were used to obtain an 1100b mitochondrial gerone. The sequences were then run throguh an ABN flowescent	sequence of the
mitochondrial gerone. The sequences were then run through an ABN flourescen	t sequence. Lastly, the
sequences were compared using various computer programs to analyze and determination.	ermine the degree of
Results	
Ample variation was found to support the separation of the species into two dis	tinct groups.
Conclusions/Discussion Additional research must be done in order to support the findings from this pre	liminary project
Summary Statement	
My project was about finding the genetic variation within a large group of iguar	nas
Help Received	