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| [Home](http://docs.google.com/home.html)  [Abstract](http://docs.google.com/abstract.html)  [Introduction](http://docs.google.com/intro.html)  [Literature Review](http://docs.google.com/review.html)  [Hypothesis/Prediction](http://docs.google.com/hypo.html)  [Materials](http://docs.google.com/material.html)  [Procedure](http://docs.google.com/proced.html)  [Data](http://docs.google.com/data.html)  [Images](http://docs.google.com/images.html)  [Conclusions](http://docs.google.com/conc.html)  [Recommendations](http://docs.google.com/recom.html)  [Bibliography](http://docs.google.com/biblio.html)  [Journal](http://docs.google.com/journal.html)  [Web Resources](http://docs.google.com/resource.html)  [Acknowledgements](http://docs.google.com/acknow.html)  [Project Creek Watch](http://www.pleasanton.k12.ca.us/amador/creek/index.html) | Goals of Independent Study Project:   * Contact Applied Biosystems (formerly PE Biosystems) and make arrangements for acquisition of reagents. * Develop mastery of the PCR machine * Establish an effective protocol for collection and cloning of Alu DNA fragment * Design a lab activity that will allow AP Bio students to clone and study Alu * Sample a significant number of students from Amador to evaluate the validity of using Alu as a means of evaluating human origins * Organize and display data in html format and publish on web * Present findings to AP Biology classes, Tri-Valley Science and Engineering Fair, interested parties, and the Intel Science and Engineering Fair if applicable |

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