

UNIVERSITY OF SOUTHERN CALIFORNIA

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# BISC320L: Formal Lab Report

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# 1 INTRODUCTION

## 1.1 ISOLATION OF DNA FROM CHEEK CELLS

## 1.2 PCR

## 1.3 *Alu* INSERTS

## 1.4 PV92 LOCUS

## 1.5 HARDY-WEINBERG EQUILBRIUM

## 1.6 POPULATION GENETICS

## 1.7 AGAROSE GEL ELECTROPHORESIS

# 2 MATERIALS & METHODS

## 2.1 ISOLATION OF DNA FROM CHEEK CELLS

## 2.2 POLYMERASE CHAIN REACTION PROCEDURE

## 2.3 PCR CONDITIONS

## 2.4 AGAROSE GEL ELECTROPHORESIS PROCEDURE

## 2.5 HARDY-WEINBERG ANALYSIS OF CLASS DATA

# 3 DATA & RESULTS

# 4 DISCUSSION

# 5 CONCLUSION