



Florida Department of Law Enforcement

Gerald M. Bailey  
Commissioner

Orlando Regional Operations Center  
500 W. Robinson St.  
Orlando, Florida 32801-1771  
1-800-226-8521  
www.fdle.state.fl.us

Rick Scott, Governor  
Pam Bondi, Attorney General  
Jeff Atwater, Chief Financial Officer  
Adam Putnam, Commissioner of Agriculture

LABORATORY REPORT  
March 26, 2012

TO: Chief Bill Lee  
Sanford Police Department  
815 W. 13th St.  
Sanford, FL 32771

FDLE NUMBER: 20120501890  
SUBMISSIONS: 1 and 2  
AGENCY NUMBER: 201250001136

ATTN: C. SERINO

SUBPOENAS PERTAINING TO THIS CASE  
SHOULD REFER TO THE FDLE NUMBER.

VICTIM(S): Trayvon Benjamin Martin

SUBJECT(S): George Michael Zimmerman

OFFENSE(S): Death Investigation  
Seminole County  
2/26/2012

Anthony Gorgone  
Crime Laboratory Analyst  
Biology Section

REFERENCE:

This report is in reference to the following evidence submitted to the Florida Department of Law Enforcement on March 01, 2012 by C. Taylor and on March 20, 2012 by D. Smith. This report may contain conclusions, opinions, and/or interpretations made by the author.

EVIDENCE:

FDLE Item#	Agency Exhibit#	Description
3	DMS-21	Swabs collected from the gun within item # TS-1 DMS-21A Swab collected from grip DMS-21B Swab collected from trigger DMS-21C Swab collected from slide DMS-21D Swab collected from holster
4	JR-2	Buccal swabs represented as being from George Michael Zimmerman
5	ME-2	Fingernail scrapings represented as being from Trayvon Benjamin Martin ME-2A Right hand ME-2B Left hand
6	ME-3	FTA card represented as being from Trayvon Benjamin Martin
15	ME-8	Shirt represented as being from Trayvon Benjamin Martin
18	ME-12	Hoodie jacket represented as being from Trayvon Benjamin Martin



**RESULTS:**

**Exhibit JR-2 Buccal swabs represented as being from George Michael Zimmerman**  
**Exhibit ME-3 FTA card represented as being from Trayvon Benjamin Martin**  
STR DNA analysis was performed on samples from Exhibits JR-2 and ME-3 utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.

Complete DNA profiles were obtained from Exhibits JR-2 and ME-3.

**Exhibit DMS-21 Swabs collected from the gun within item # TS-1**  
Exhibit DMS-21A gave chemical indications for the presence of blood. Exhibits DMS-21C and DMS-21D failed to give chemical indications for the presence of blood.

STR DNA analysis was performed on samples from Exhibits DMS-21A, DMS-21B, DMS-21C and DMS-21D utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.

**Exhibit DMS-21A Swab collected from grip**

The mixed DNA profile obtained from Exhibit DMS-21A demonstrated the presence of at least two individuals. A complete DNA profile for the major contributor could be determined.

This major DNA profile is consistent with originating from a male individual and matches the DNA profile from George Michael Zimmerman (JR-2).

The frequency of occurrence of the major DNA profile obtained from Exhibit DMS-21A for unrelated individuals in the following populations is approximately:

- 1 in 11 quadrillion Caucasians
- 1 in 1.5 quintillion African Americans (Blacks)
- 1 in 57 quadrillion Southeastern Hispanics

A DNA profile for the minor contributor(s) could not be determined.

Trayvon Benjamin Martin (ME-3) is excluded as a possible contributor to the mixed DNA obtained from Exhibit DMS-21A.

**Exhibit DMS-21B Swab collected from trigger**

Due to the limited nature of the DNA results obtained from Exhibit DMS-21B, the data obtained is not interpretable.

**Exhibit DMS-21C Swab collected from slide**

Due to the limited DNA results obtained from Exhibit DMS-21C, this data is insufficient for inclusion purposes. Results are consistent with the presence of at least one male individual.

No determination can be made regarding the possible contribution of George Michael Zimmerman (JR-2) or Trayvon Benjamin Martin (ME-3) to the limited DNA results obtained from Exhibit DMS-21C.

**Exhibit DMS-21D Swab collected from holster**

The mixed DNA profile obtained from Exhibit DMS-21D demonstrated the presence of at least three individuals. A complete DNA profile for the major contributor could be determined.

This major DNA profile is consistent with originating from a male individual and matches the DNA profile from George Michael Zimmerman (JR-2).

The frequency of occurrence of the major DNA profile obtained from Exhibit DMS-21D for unrelated individuals in the following populations is approximately:

- 1 in 11 quadrillion Caucasians
- 1 in 1.5 quintillion African Americans (Blacks)
- 1 in 57 quadrillion Southeastern Hispanics

A DNA profile for the minor contributor(s) could not be determined.

No determination can be made regarding the possible contribution of Trayvon Benjamin Martin (ME-3) to the mixed DNA profile obtained from Exhibit DMS-21D.

**Exhibit ME-2 Fingernail scrapings represented as being from Trayvon Benjamin Martin**

Exhibit ME-2A gave chemical indications for the presence of blood.

STR DNA analysis was performed on samples from Exhibits ME-2A and ME-2B utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.

**Exhibit ME-2A Right hand**

No DNA results foreign to Trayvon Benjamin Martin (ME-3) were found on Exhibit ME-2A.

**Exhibit ME-2B Left hand**

No DNA results were obtained from Exhibit ME-2B.

**Exhibit ME-8 Shirt represented as being from Trayvon Benjamin Martin**

Exhibit ME-8 gave chemical indications for the presence of blood (stains A, B, D and E).

Exhibit ME-8 failed to give chemical indications for the presence of blood (stain C and general rubbings from cuff/lower sleeve regions on both arms).

Swabbings were collected from the cuff/lower sleeve regions on both arms of Exhibit ME-8 to determine the presence of any foreign DNA.

STR DNA analysis was performed on samples from Exhibit ME-8 (stains A, B, D, E and swabbings from cuffs/lower sleeves) utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.