



# FBI Laboratory

2501 Investigation Parkway  
Quantico, Virginia 22135

## REPORT OF EXAMINATION

To: Lori Bruski  
Forensic Scientist  
Michigan State Police Northville Laboratory  
Biology/DNA Unit  
42145 W 7 Mile Road  
Northville, MI 48167-2297

Date: January 8, 2010

(before Arch  
Shean)

Case ID No.: 306-DE-80444

Lab No.: 090430001 GK ME

Reference: Communication dated April 3, 2009

Your No.:

Title: UNKNOWN SUBJECT(S);  
MARK STEBBINS - VICTIM (DECEASED);  
JILL ROBINSON - VICTIM (DECEASED);  
KRISTINE MICHELICH - VICTIM (DECEASED);  
TIMOTHY KING - VICTIM (DECEASED);  
OAKLAND COUNTY, MICHIGAN;  
DOMESTIC POLICE COOPERATION  
HOMICIDE INVESTIGATION

Date specimens received: April 30, 2009

The items listed below were examined in the Mitochondrial DNA Unit:

### ITEM FROM MARK STEBBINS

Q43.1 Hair from Q43 glass microscope slide containing debris from clothing (#2)

1 - FBI Detroit  
SA Sean M. Callaghan

1 - Detective Sergeant Garry Gray  
Michigan State Police  
Metro North Post  
14350 Ten Mile Road  
Oak Park, Michigan 48237

ITEMS FROM TIMOTHY KING, RESUBMITTED FROM FBI LABORATORY NUMBER 970808021 ME GX

- Q26.1 Hair from Q26 slide containing debris from jockey shorts (7B)
- Q27.1 Hair from Q27 slide containing debris from clothing at scene (7C)
- Q33.1 Hair from Q33 debris from autopsy
- Q33.2 Hair from Q33 debris from autopsy

} 4 hairs

This report contains the results of the mitochondrial DNA examinations.

**Results of Examinations:**

Mitochondrial DNA (mtDNA) sequences were obtained from the Q26.1 hair from Q26 slide containing debris from jockey shorts (nucleotide positions 15998-16390 and 49-284 only), the Q27.1 hair from Q27 slide containing debris from clothing at scene (nucleotide positions 15998-16390 and 49-284 only), the Q33.1 hair from Q33 debris from autopsy, and the Q43.1 hair from Q43 glass microscope slide containing debris from clothing.

These mtDNA sequences were compared with the previously obtained mtDNA sequences from the Q19 hair from Pontiac debris, the Q29 hair from debris from the body of TIMOTHY KING, the K11 blood sample from LARRY ALLEN SMITH (all FBI Laboratory number 970808021, FBI Laboratory report dated June 25, 1999), the Q34.1 hair from Q34 debris from shirt (nucleotide positions 16288-16355 only) and the Q34.2 hair from Q34 debris from shirt (FBI Laboratory number 080125018, FBI Laboratory report dated August 11, 2008), the K23 blood sample from MARION KING, the identified mother of TIMOTHY KING, the K24 blood sample from RUTH STEBBINS, the identified mother of MARK STEBBINS (both FBI Laboratory number 981216023, FBI Laboratory report dated June 25, 1999), the K25.1 hairs from the K25 head hair sample identified as coming from DAVID NORBERG (FBI Laboratory number 991012029, FBI Laboratory report dated November 22, 2000), the K29 blood sample identified as coming from TODD WARZECHA, the K30 buccal swab identified as coming from RICHARD LAWSON, the K31 blood sample identified as coming from JOHN MCRAE (all FBI Laboratory number 050808014, FBI Laboratory report dated November 17, 2005), the K32 buccal swab identified as coming from THEODORE LAMBORGINE (FBI Laboratory number 050913036, FBI Laboratory report dated November 17, 2005), the K33 buccal sample identified as coming from JOHN MOORE, the identified brother of ROBERT "BOB" MOORE (FBI Laboratory number 060522003, FBI Laboratory report dated June 12, 2006), the K34 buccal swab identified as coming from MICHAEL DEAN GRANT (FBI Laboratory number 060810001, FBI Laboratory report dated October 25, 2006), the K35 buccal sample identified as

Q29  
is  
#5

coming from **CLARK LANKEY** (FBI Laboratory number 070129008, FBI Laboratory report dated March 12, 2007), the K36 buccal swab identified as coming from **JOHN HASTINGS**, the K37 buccal swab identified as coming from **KENNETH BOWMAN**, the K38 buccal swab identified as coming from **GREGORY GREENE** (all FBI Laboratory number 080331006, FBI Laboratory report dated June 19, 2008), the K39 buccal sample from **CHARLES NELS BUSCH**, the identified brother of **CHRIS BUSCH** (FBI Laboratory number 080425003, FBI Laboratory report dated June 19, 2008), the K40 buccal sample identified as coming from **BEVERLY STAMATE**, the identified sister of **THEODORE MILLER** (FBI Laboratory number 080428004, FBI Laboratory report dated June 19, 2008), and the K41 buccal sample identified as coming from **JAMES VINCENT GUNNELS** (FBI Laboratory number 081106008, FBI Laboratory report dated February 25, 2009). Please see the sequence summary tables on pages 4-6 for a synopsis of the profiles that were compared.

not Arch Sloan

The mtDNA sequences from Q26.1, Q27.1, Q33.1, and Q43.1 are different from the mtDNA sequences obtained from Q29, Q34.1, Q34.2, K11, K23, K24, K25.1, K29, K30, K31, K32, K33, K34, K35, K36, K37, K38, K39, K40, and K41. Therefore, the Q29 hair, the Q34.1 hair, and the Q34.2 hair can be excluded as originating from the same source(s) as the Q26.1, Q27.1, Q33.1, and Q43.1 hairs. In addition, LARRY ALLEN SMITH, TIMOTHY KING, MARK STEBBINS, DAVID NORBERG, TODD WARZECHA, RICHARD LAWSON, JOHN MCRAE, THEODORE LAMBORGINE, ROBERT "BOB" MOORE, MICHAEL DEAN GRANT, CLARK LANKEY, JOHN HASTINGS, KENNETH BOWMAN, GREGORY GREENE, CHRIS BUSCH, THEODORE MILLER, and JAMES VINCENT GUNNELS can be excluded as the source of the Q26.1, Q27.1, Q33.1, and Q43.1 hairs.

The mtDNA sequences obtained from Q26.1, Q43.1 and Q19 are the same over the common range. Therefore, the Q26.1, Q43.1, and Q19 hairs cannot be excluded as coming from the same source.

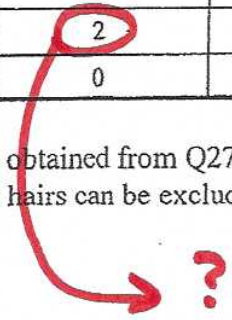
marks determine From Pontiac Hair, Tim's jockey shorts

Using the mtDNA population database currently available to the FBI Laboratory (CODIS + mito Popstats v. 1.4, 5071 v.4 containing 5071 individuals, searching nucleotide positions 16024-16365 and 73-284), the mtDNA sequence obtained from specimens Q26.1, Q43.1 and Q19 has been observed in the following major population groups as follows:

Database	Number of Observations	Individuals in Database	Upper Bound Frequency Estimate
African-American	0	1148	0.26%
Caucasian	2	1814	0.26%
Hispanic	0	759	0.39%

2010

The mtDNA sequences obtained from Q27.1, Q33.1, and Q19 are different. Therefore, the Q27.1, Q33.1, and Q19 hairs can be excluded as coming from the same source.



rarity of haplotype?  
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The mitochondrial DNA (mtDNA) sequence obtained from specimen Q33.2 indicates the presence of a mixture of mtDNA from more than one individual. Because mixtures of mtDNA are not interpretable, no conclusions can be reached regarding the source of Q33.2.

The mtDNA sequencing results are detailed below. Results are listed as differences from the published revised Cambridge Reference Sequence (rCRS).

Specimen	Q26.1 hair - jockey shorts Timothy King 090430001	Q27.1 hair - clothing at scene Timothy King 090430001	Q33.1 hair - debris from autopsy - Timothy King 090430001	Q43.1 hair - clothing Mark Stebbins 090430001
Range	np 15998-16390	np 15998-16390	np 15998-16390	np 15998-16390
HVI	16051 G 16129 G 16189 C 16256 T	16069 T 16126 C	16298 C	16051 G 16129 C 16189 C 16256 T
Range	np 49-284	np 49-284	np 49-408	np 49-408
HVII	73 G 152 C 217 C 263 G	73 G 185 A 199 C 228 A 263 G	72 C 262 G 315.1 C	73 G 152 C 217 C 263 G 315.1 C 340 T

Specimen	Q19 hair from Pontiac debris 970808021	Q29 hair from debris Timothy King body 970808021	Q34.1 hair from debris from shirt 080125018	Q34.2 hair from debris from shirt 080125018	K23 Marion King mother of Timothy King 981216023	K24 Ruth Stebbins mother of Mark Stebbins 981216023
Range	np 16024-16365	np 16024-16365	np 16288-16255	np 15998-16390	np 16024-16365	np 16024-16365
HVI	16051 G 16129 C 16189 C 16256 T	16209 G	16311 C 16320 T	16067 T 16168 T 16304 C 16355 T	16298 C	16051 G 16126 C 16129 C 16189 C 16256 T 16298 C 16362 C
Range	np 73-340	np 73-340		np 49-408	np 73-340	np 73-340
HVII	73 G 152 C 217 C 263 G 315.1 C 340 T	146 C 263 G 315.1 C	empty ?	150 T 263 G 309.1 C 309.2 C* 315.1 C *C8TC6 C9TC6-major C10TC6	93 G 195 C 198 T 263 G 309.1 C 315.1 C	73 G 152 C 217 C 263 G 315.1 C 315.2 C 340 T

→ nucleopeptides  
limited range  
limited data

→ See K41 Vince Gunnels, p. 6

Specimen	K11 Larry Allen Smith 970808021	K25.1 David Norberg (hair) 991012029	K29 Todd Warzecha 050808014	K30 Richard Lawson 050808014	K31 John McRae 050808014	K32 Theodore Lamborgine 050913036
Range	np 16024-16365	np 16024-16365	np 15998-16389	np 15998-16389	np 15998-16389	np 15998-16389
HVI	16224 C 16311 C	16069 T 16126 C	16093 C 16192 T 16256 T 16270 T 16291 T	16129 A 16316 G	16224 C 16293 G 16311 C	16209 C 16278 T 16293 G 16311 C
Range	np 73-340	np 73-340	np 49-408	np 49-408	np 49-408	np 49-408
HVII	73 G 146 C 152 C 234 N (A/G) 263 G 315.1 C	73 G 185 A 188 G 263 G 295 T 309.1 C* 315.1 C  C7TC6 C8TC6-major C9TC6	73 G 263 G 315.1 C	263 G 309.1 C 309.2 C* 315.1 C  *C8TC6 C9TC6 - major C10TC6	73 G 263 G 309.1 C* 315.1 C  *C7TC6 C8TC6 - major C9TC6	195 C 215 G 263 G 309.1 C* 315.1 C  *C7TC6 C8TC6 - major C9TC6

Specimen	K33 John Moore brother of Robert Moore 060522003	K34 Michael Dean Grant 060810001	K35 Clark Lankey 070129008	K36 John Hastings 080331006	K37 Kenneth Bowman 080331006	K38 Gregory Greene 080331006
Range	np 15998-16389	np 15998-16389	np 15998-16389	np 15998-16390	np 15998-16390	np 15998-16390
HVI	16256 T 16270 T	16086 C 16129 A 16174 T 16223 T	16126 C 16292 T 16294 T	16189 C 16223 T 16278 T	16126 C 16163 G 16186 T 16189 C 16294 T	16259 T
Range	np 49-408	np 49-408	np 49-408	np 49-408	np 49-408	np 49-408
HVII	73 G 263 G 315.1 C	73 G 152 C 199 C 204 C 207 A 239 C 250 C 263 G 309.1 C 309.2 C* 315.1 C *C8TC6 C9TC6 - major C10TC6	73 G 146 C 152 C 263 G 279 C 315.1 C  *at position 309 C7TC6 - major C8TC6	73 G 195 C 225 A 226 C 263 G 309.1 C* 315.1 C  *C7TC6 C8TC6-major C9TC6	73 G 152 C 195 C 263 G 315.1 C	152 C 263 G 315.1 C

only 2 values listed for hair on Tim's shirt. Q34.1 match gunnels

Specimen	K39 Charles Nels Busch brother of Chris Busch 080425003	K40 Beverly Stamate sister of Theodore Miller 080428004	K41 James Vincent Gunnels 081106008
Range	np 15998-16390	np 15998-16390	np 15998-16390
HVI	16114 A 16189 Y (T/C) 16192 T 16256 T 16270 T 16271 C 16294 T	16354 T	16224 C 16311 C 16320 T
Range	np 49-408	np 49-408	np 49-408
HVII	73 G 263 G 309.1 C* 315.1 C  *C8TC6-major C9TC6	263 G 309.1 C* 315.1 C  *C8TC6-major C9TC6	73 G 146 C 152 C 263 G 315.1 C

outside range of what was tested in Q34.1

No other mtDNA examinations were conducted.

Remarks: Tim Tim Tim WTF? Mark

Specimens Q26.1, Q27.1, Q33.1, Q33.2, and Q43.1 were consumed during analysis. Processed DNA generated from the samples will be returned under separate cover. The processed DNA can be found in a package marked PROCESSED DNA SAMPLES: SHOULD BE REFRIGERATED/FROZEN. It is recommended that these samples be stored in a refrigerator/freezer and isolated from evidence that has not been examined.

MSP?

For questions about the content of this report, please contact examiner Constance L. Fisher at (703) 632-7579. For questions about the status of remaining forensic examinations, please contact Request Coordinator Charles Peters at (703) 632-7427.

Constance L. Fisher, PhD  
Mitochondrial DNA Unit

This report contains the opinions/interpretations of the examiner(s) who issued the report.