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**Supplemental DNA Case Report
August 19, 2024**

To:
Senior Staff Attorney Adnan Sultan
Innocence Project, Inc. (NY)
40 Worth Street, Suite 701
New York, NY 10013

Bode Case #: CCB1536-0303
Agency Case #: #63472/63393
Additional Agency Case #: 85-98-313749, F9801997

Victim: Felecia Gayle
Subjects: Keith Lamer, Edward Magee

List of evidence received on August 16, 2024 for possible DNA analysis:

<u>Bode Sample Name</u>	<u>Agency Sample ID</u>	<u>Agency Description</u>
CCB1536-0303-R-06	2	Right Buccal Swab [Keith Lamer]
CCB1536-0303-R-07	2	Right Buccal Swab [Edward Magee]

Y-STR Processing and Results:

The evidence was processed for DNA typing by analysis of Short Tandem Repeat (STR) loci specific to the male Y chromosome (also called Y-STRs) using the PowerPlex® Y23 kit.

1. Y-STR profiles were obtained from samples CCB1536-0303-R-06 (Keith Lamer) and CCB1536-0303-R-07 (Edward Magee).

See **Table 1** for summary of Y-STR alleles reported for each sample.

Notes:

1. Testing performed for this case is in compliance with accredited procedures under the laboratory's ISO/IEC 17025:2017 accreditation issued by ANAB. Refer to certificate and scope of accreditation for certificate number FT-0268.
2. The DNA data reported in this case were determined by procedures that have been validated according to the standards established in the FBI's Quality Assurance Standards for Forensic DNA Testing Laboratories.
3. Evidence descriptions are based on the written descriptions of the samples by the submitting agency.
4. The results apply to the items tested or data provided, as received.
5. The opinions and interpretations included in this report are those of the undersigned analyst.
6. This test report shall not be reproduced, except in full, without the written approval of the laboratory.
7. The evidence will be returned to the St. Louis County Prosecuting Attorney's Office.
8. A supplemental report was issued due to an additional submission of evidence. See previous reports dated April 8, 2016 and August 12, 2016.

Report submitted by,

Karl Miyasako, BS
Senior DNA Analyst

Bode Case #: CCB1536-0303

Date: August 19, 2024

Agency Case #: #63472/63393

Additional Agency Case #: 85-98-313749, F9801997

Table 1: Analysis of Short Tandem Repeat Loci on the Y Chromosome (Y-STR)

Locus	CCB1536-0303-R-06a1 [Keith Larner]	CCB1536-0303-R-07a1 [Edward Magee]
DYS576	17	20
DYS389 I	12	13
DYS448	18	20
DYS389 II	29	31
DYS19	14	14
DYS391	10	10
DYS481	23	23
DYS549	12	13
DYS533	11	13
DYS438	9	12
DYS437	14	15
DYS570	17	16
DYS635	21	23
DYS390	23	24
DYS439	11	12
DYS392	13	13
DYS643	10	10
DYS393	13	13
DYS458	18	17
DYS385 a/b	15, 16	11, 14
DYS456	16	16
Y-GATA-H4	10	12

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Forensic Case Report
April 8, 2016

To:
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Ballwin, MO 63021

Bode Cellmark Case #: CCB1536-0303
Agency Case #: #63472/63393, 85-98-313749, F9801997

List of evidence received on July 16, 2015 for possible DNA analysis:

<u>Bode Cellmark Sample Name</u>	<u>Agency Sample ID</u>	<u>Agency Description</u>
CCB1536-0303-E01	Q8a	Labeled as "fingernail clippings right"
CCB1536-0303-E02	Q8b	Labeled as "fingernail clippings left"
CCB1536-0303-E03	Q5	Labeled as "knife and package with sheath"
CCB1536-0303-E03a		Junction between knife blade and handle
CCB1536-0303-E03b		Knife handle
CCB1536-0303-E04	Q3	Labeled as "slide with ~4 hairs from victim's right hand"
CCB1536-0303-E04a		Apparent hair, ~2 cm long
CCB1536-0303-E04b		Apparent hair, ~4 cm long
CCB1536-0303-E04c		Apparent hair, ~3 cm long
CCB1536-0303-E04d		Apparent hair, ~3.5 cm long

List of profiles received from LabCorp on December 21, 2015 for possible DNA comparison:

<u>Agency Sample Name</u>	<u>Agency Description</u>
x1997 2-F.G	K1 V's Known blood - Felicia Gayle
x1997 3-D.P	K2 V's husband's known blood (D. Picus) [Daniel Picus]

Forensic Biology Results:

1. Sample CCB1536-0303-E04 contained 4 apparent human hairs that are not suitable for nuclear DNA analysis but may be suitable for mitochondrial DNA analysis. These apparent human hairs were processed further.

Y-STR Processing, Results and Conclusions:

Samples CCB1536-0303-E01, -E02, -E03a and -E03b were processed for DNA typing by analysis of the following Short Tandem Repeat (STR) loci specific to the male Y chromosome (also called Y-STRs): DYS576, DYS389I/II, DYS448, DYS19, DYS391, DYS481, DYS649, DYS533, DYS438, DYS437, DYS570, DYS635, DYS390, DYS439, DYS392, DYS643, DYS393, DYS458, DYS385 a/b, DYS456 and YGATA-H4 using the Promega PowerPlex® Y23 kit.

1. No Y-STR profiles were obtained from samples CCB1536-0303-E01, CCB1536-0303-E02 and CCB1536-0303-E03a.
2. The partial Y-STR profile obtained from sample CCB1536-0303-E03b is consistent with a mixture of at least two individuals. Due to the possibility of allelic drop out, no conclusions can be made on this partial mixture profile.

See Table 1 for summary of alleles reported for each sample.

Mitochondrial DNA Processing, Results and Conclusions:

Samples CCB1536-0303-E04a, CCB1536-0303-E04b, CCB1536-0303-E04c and CCB1536-0303-E04d were processed for Mitochondrial DNA analysis. Mitochondrial DNA (mtDNA) is found in sub-cellular organelles called mitochondria. A specific, non-coding region of the mitochondrial genome called the D-loop, or hyper-variable control region, is known to have variability within the human population. Multiple copies of this region of mtDNA are generated using the polymerase chain reaction (PCR). The base composition, or sequence, is then determined using automated DNA sequencing.

1. MtDNA profiles were provided by LabCorp for samples x1997 2-F.G (Felicia Gayle) and x1997 3-D.P (Daniel Picus).
2. Due to poor quality and irreproducibility, the mtDNA data obtained from sample CCB1536-0303-E04a is not reportable.
3. A mtDNA profile was obtained from sample CCB1536-0303-E04b.

The mtDNA profile obtained from sample CCB1536-0303-E04b is consistent with the mtDNA profile provided by LabCorp for sample x1997 2-F.G (Felicia Gayle). Therefore, Felicia Gayle (x1997 2-F.G) cannot be excluded as the contributor of sample CCB1536-0303-E04b.

Statistical calculations may be performed upon request.

The mtDNA profile obtained from sample CCB1536-0303-E04b is not consistent with the mtDNA profile provided by LabCorp for sample x1997 3-D.P (Daniel Picus). Therefore, Daniel Picus (x1997 3-D.P) can be excluded as a possible contributor of sample CCB1536-0303-E04b.

4. A mtDNA profile was obtained from sample CCB1536-0303-E04c.

The mtDNA profile obtained from sample CCB1536-0303-E04c is consistent with the mtDNA profile provided by LabCorp for sample x1997 2-F.G (Felicia Gayle). Therefore, Felicia Gayle (x1997 2-F.G) cannot be excluded as the contributor of sample CCB1536-0303-E04c.

Statistical calculations may be performed upon request.

The mtDNA profile obtained from sample CCB1536-0303-E04c is not consistent with the mtDNA profile provided by LabCorp for sample x1997 3-D.P (Daniel Picus). Therefore, Daniel Picus (x1997 3-D.P) can be excluded as a possible contributor of sample CCB1536-0303-E04c.

5. A mtDNA profile was obtained from sample CCB1536-0303-E04d.

The mtDNA profile obtained from sample CCB1536-0303-E04d is consistent with the mtDNA profile provided by LabCorp for sample x1997 2-F.G (Felicia Gayle). Therefore, Felicia Gayle (x1997 2-F.G) cannot be excluded as the contributor of sample CCB1536-0303-E04d.

Statistical calculations may be performed upon request.

The mtDNA profile obtained from sample CCB1536-0303-E04d is not consistent with the mtDNA profile provided by LabCorp for sample x1997 3-D.P (Daniel Picus). Therefore, Daniel Picus (x1997 3-D.P) can be excluded as a possible contributor of sample CCB1536-0303-E04d.

See Table 2 for a summary of the mtDNA profiles reported.

Notes:

1. Testing performed for this case is in compliance with accredited procedures under the laboratory's ISO/IEC 17025 accreditation issued by ASCLD/LAB and ANAB. Refer to certificates and scopes of accreditation for certificate numbers ALI-231-T and AT-1672, respectively.
2. The DNA profiles reported in this case were determined by procedures that have been validated according to the standards established in the FBI's Quality Assurance Standards for Forensic DNA Testing Laboratories.
3. Any reference to body fluids in evidence descriptions are based on the written descriptions of the samples by the submitting agency.
4. The DNA extracts and submitted evidence will be returned to the Kansas City Police Crime Lab.
5. The DNA profile obtained from sample CCB1536-0303-E03b was reported as a mixture; however, the allele table reflects a single source pattern. Alleles below threshold were observed in the sample.
6. Mitochondrial DNA is inherited maternally. A mtDNA match cannot exclude any maternal relatives.

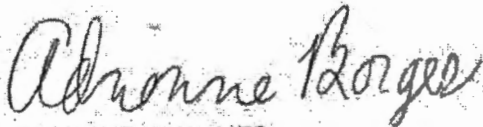
Report submitted by,



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Table 1: Analysis of Short Tandem Repeat Loci on the Y Chromosome (Y-STR)

Locus	CCB1536-0303- E01a1	CCB1536-0303- E02a1	CCB1536-0303- E03a1	CCB1536-0303- E03b1
DYS576	No Results	No Results	No Results	20, ---
DYS389 I	No Results	No Results	No Results	13, ---
DYS448	No Results	No Results	No Results	No Results
DYS389 II	No Results	No Results	No Results	No Results
DYS19	No Results	No Results	No Results	No Results
DYS391	No Results	No Results	No Results	10
DYS481	No Results	No Results	No Results	23, ---
DYS549	No Results	No Results	No Results	No Results
DYS533	No Results	No Results	No Results	13, ---
DYS438	No Results	No Results	No Results	No Results
DYS437	No Results	No Results	No Results	15, ---
DYS570	No Results	No Results	No Results	16, ---
DYS635	No Results	No Results	No Results	23
DYS390	No Results	No Results	No Results	24, ---
DYS439	No Results	No Results	No Results	12, ---
DYS392	No Results	No Results	No Results	13, ---
DYS643	No Results	No Results	No Results	No Results
DYS393	No Results	No Results	No Results	13, ---
DYS458	No Results	No Results	No Results	17, ---
DYS385 a/b	No Results	No Results	No Results	11, 14
DYS456	No Results	No Results	No Results	No Results
Y-GATA-H4	No Results	No Results	No Results	No Results

--- = Possible Additional Alleles