

**SUPPLEMENTAL FORENSIC REPORT**

Report #2  
Addendum Refer to additional information in bold.

Date Issued: 9/23/21

To: Mr. Paul D'Amato  
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2900 Fire Road  
Egg Harbor Township, NJ 08234

Date Testing Completed: 8/16/21

**DDC Case No.: F19-25058**  
**New Jersey Transit Authority No.: 15-005939**

Subject: Tiffany Valiante (deceased)

The following items were analyzed:

DDC Item No.	New Jersey Authority Item No.	Description	Date Received
01	002	DNA Card from Tiffany Valiante	3/5/21
02	003	Black T-shirt	3/5/21
03	006	White towel	3/5/21
04	009	Headband	3/5/21
05	007	"A" Iron-on	3/5/21
06	008	Pair of shoes	3/5/21
07	010	Grey sweatshirt	3/5/21
08	004	Folding knife	3/5/21
09	Na	Reference standard from Dianne Valiante	6/1/21
10	Na	Reference standard from Stephen Valiante	6/1/21

*Item 05 ("A" Iron-on) was examined. No further testing was performed.*

**Serology Results:**

The presumptive results for blood were negative for items 02.A, 02.B, and 02.D (stains on black t-shirt), 03.K, 03.L, 03.M, and 03.N (stains on white towel), 07.A, 07.B, 07.D, 07.E, and 07.F (stains on grey sweatshirt), 08.A, 08.B, 08.C, 08.D, and 08.E (stains on folding knife).

The presumptive result for blood was positive for item 02.C (stain on exterior, front of black t-shirt). A confirmatory test for blood was not performed on item 02.C.

The presumptive result for blood was positive for item 07.C (stain on exterior, back of grey sweatshirt); however, the confirmatory result was negative.

The presumptive and confirmatory results for blood were positive for items 03.A, 03.B, 03.C, 03.D, 03.E, 03.F, 03.G, 03.H, 03.I, 03.J, 03.O, 03.P and 03.Q (stains on white towel).

Deoxyribonucleic Acid (DNA) Results:

*Note: Items 04.A.1 (DDC swab of headband), 06.A.1 (DDC swab of outside of right shoe), 06.B.1 (DDC swab of outside of left shoe), 06.C.1 (DDC swab of inside of right shoe), 06.D.1 (DDC swab of inside of left shoe), and 07.H.1 (DDC swabs from cuffs and armpits of grey sweatshirt) were consumed during DNA analysis.*

DNA extraction and human quantification were performed on items 02.E.1 (DDC swab of exterior, front region of black t-shirt), 06.A.1 (DDC swab of outside of right shoe), and 07.G.1 (DDC swab of interior of collar of grey sweatshirt). Insufficient DNA was obtained from these items; therefore, further analysis was not performed.

DNA extraction and human quantification were performed on item 01.B.1 (2<sup>nd</sup> section from DNA Card of Tiffany Valiante). Insufficient male DNA was obtained from this item; therefore, Y-STR analysis was not performed.

DNA profiling was performed using Polymerase Chain Reaction (PCR) with the GlobalFiler™ amplification kit on items 01.A.1, 02.C.1, 02.F.1, 02.G.1, 03.A.1, 03.B.1, 03.C.1, 03.D.1, 03.E.1, 03.F.1, 03.G.1, 03.H.1, 03.I.1, 03.J.1, 03.O.1, 03.P.1, 03.Q.1, 04.A.1, 06.B.1, 06.C.1, 06.D.1, 07.C.1, 07.H.1, 09.A.1, 10.A.1, and 10.B.1.

DNA profiling was performed using Polymerase Chain Reaction (PCR) with the Yfiler™ Plus amplification kit on items 01.A.1, 03.A.1, 03.B.1, 03.C.1, 03.D.1, 03.E.1, 03.F.1, 03.G.1, 03.H.1, 03.I.1, 03.J.1, 03.O.1, 03.P.1, 03.Q.1, 04.A.1, and 07.C.1.

Conclusions:

Blood Analysis:

The presence of blood was confirmed on items 03.A, 03.B, 03.C, 03.D, 03.E, 03.F, 03.G, 03.H, 03.I, 03.J, 03.O, 03.P, and 03.Q (stains on white towel).

The presence of blood was indicated, but not confirmed on item 07.C (stain on exterior, back of grey sweatshirt).

The presence of blood was indicated on item 02.C (stain on exterior, front of black t-shirt).

No blood was indicated on items 02.A, 02.B, and 02.D (stains on black t-shirt), 03.K, 03.L, 03.M, and 03.N (stains on white towel), 07.A, 07.B, 07.D, 07.E, and 07.F (stains on grey sweatshirt), 08.A, 08.B, 08.C, 08.D, and 08.E (stains on folding knife).

STR Analysis:

The STR DNA profile obtained from item 01.A.1 (section of DNA Card from Tiffany Valiante), consistent with originating from a female donor, was used for comparison to items 09.A.1 (reference standard from Dianne Valiante), 10.A.1, and 10.B.1 (reference standard from Stephen Valiante) for paternity and maternity tests (Refer to DDC Paternity reports dated 6/28/21).

The STR DNA profiles obtained from items 03.A.1, 03.B.1, 03.C.1, 03.D.1, 03.E.1, 03.F.1, 03.G.1, 03.H.1, 03.I.1, 03.J.1, 03.P.1, and 03.Q.1 (sections of stains on white towel) are consistent with originating from the same male donor (Unknown Male Donor A). A comparison can be made if a male reference standard is submitted.

The partial STR DNA profile obtained from item 02.C.1 (section of stain from exterior, front of black t-shirt) is consistent with the DNA profile obtained from Tiffany Valiante (item 01.A.1). This DNA profile is 3.85 octillion

times more likely to occur if the DNA is from Tiffany Valiente (item 01.A.1) than if it is from one unknown contributor.

The partial STR DNA profiles obtained from items 02.F.1 (DDC swab of exterior, back region of black t-shirt) and 02.G.1 (DDC swab of piece of black t-shirt) are insufficient for comparison.

The partial, mixed STR DNA profiles obtained from items 03.O.1 (section of stain on white towel) and 04.A.1 (DDC swab of headband) are inconclusive due to insufficient amounts of DNA.

STR DNA profiles were not obtained from items 06.B.1 (DDC swab of outside of left shoe), 06.C.1 (DDC swab of inside of right shoe), 06.D.1 (DDC swab of inside of left shoe), 07.C.1 (section of stain from exterior, back of grey sweatshirt), and 07.H.1 (combined swabs and sections from cuffs and armpits of grey sweatshirt).

Y-STR Analysis:

A Y-STR DNA profile was obtained from item 10.A.1 (Reference standard from Stephen Valiante).

The Y-STR DNA profiles obtained from items 03.A.1, 03.B.1, 03.C.1, 03.D.1, 03.E.1, 03.F.1, 03.G.1, 03.H.1, 03.I.1, 03.J.1, 03.P.1, and 03.Q.1 (sections from stains on white towel) are consistent (Unknown Male Donor A). A comparison can be made if a male reference standard is submitted.

A partial, mixed Y-STR DNA profile was obtained from item 01.A.1 (section from DNA Card from Tiffany Valiante); however, the Y-STR DNA profile is unsuitable for comparison purposes.

Y-STR DNA profiles were not obtained from items 03.O.1 (section of stain on white towel), 04.A.1 (DDC swab of headband), and 07.C.1 (section of stain from exterior, back of grey sweatshirt).

Disposition of Evidence:

The evidence is stored in the DDC Forensic Department.

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