

COLORADO BUREAU OF INVESTIGATION

LABORATORY REPORT

LAB CASE NUMBER:D96-4153 SECTION:DNA TESTING

OCA:P9621871

AGENCY NAME: CO0070100 - PD BOULDER

OFFENSE: 0902 - HOMICIDE - WILLFUL KILL-FAMILY

INVESTIGATED BY: DET. THOMAS TRUJILLO

SUBMISSION DATE: 123096

* SUSPECT(S): AKA: R/S D.O.B:
 RAMSEY, PATSY W/F
 RAMSEY, JOHN W/M

* VICTIM(S):
 RAMSEY, JONBENET W/F

Kathren M. Brown Dressel *1/15*

EXAMINED BY/ KATHREN M. BROWN DRESSEL, LABORATORY AGENT/CRIMINALIST

DATE COMPLETED/JANUARY 15, 1997

EXHIBIT	DESCRIPTION
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#5A, 5B	• BLOODSTAINS FROM SHIRT.
#7	• BLOODSTAINS FROM PANTIES.
#14B	• BLOODSTAIN STANDARD FROM JONBENET RAMSEY.
#14I	• SWAB WITH SALIVA.
#14L, 14M	• RIGHT AND LEFT HAND FINGERNAILS FROM JONBENET RAMSEY.
#15A, 15B	• SAMPLES FROM TAPE.
#16A	• BLOODSTAIN FROM WHITE BLANKET.
#17A, 17C	• BLOODSTAINS FROM NIGHTGOWN.
#23A, 23B	• SEMEN STAINS FROM BLACK BLANKET.
#32B-2	• BLOODSTAIN STANDARD FROM JOHN ANDREW RAMSEY.
#33B-2	• BLOODSTAIN STANDARD FROM MELINDA RAMSEY.
#34B-2	• BLOODSTAIN STANDARD FROM JOHN B. RAMSEY.
#35B-2	• BLOODSTAIN STANDARD FROM PATRICIA RAMSEY.
#36B-2	• BLOODSTAIN STANDARD FROM BURKE RAMSEY.
#42B-2	• BLOODSTAIN STANDARD FROM JOHN FERNIE.
#43B-2	• BLOODSTAIN STANDARD FROM PRISCILLA WHITE.
#44B-2	• BLOODSTAIN STANDARD FROM JEFF RAMSEY.
#47B	• BLOODSTAIN STANDARD FROM MERVIN PUGH.
#48B	• BLOODSTAIN STANDARD FROM LINDA HOFFMANN-PUGH.

RESULTS:

DEOXYRIBONUCLEIC ACID (DNA) PROFILES FOR THE LISTED GENETIC LOCI WERE DEVELOPED FROM THE FOLLOWING EXHIBITS:

EXHIBIT #	DQA1	LDLR	GYPA	HBGG	D7S8	GC	D1S80
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14B (JONBENET)	1.2,2	BB	AB	BB	AA	AC	INC
32B-2 (JOHN ANDREW)	1.2,3	BB	AA	AB	AA	BC	24,28
33B-2 (MELINDA)	1.2,3	BB	AA	AB	AB	BC	24,28
34B-2 (JOHN B.)	1.2,1.2	BB	AA	BB	AA	BC	24,28
35B-2 (PATRICIA)	2,3	BB	BB	BB	AA	AB	24,26

36B-2 (BURKE)	1.2,3	BB	AB	BB	AA	BC	24,24
42B-2 (FERNIE)	INC	INC	INC	AB	AB	AC	INC
43B-2 (WHITE)	1.2,4.1	AB	AB	BB	BB	AC	18,18
44B-2 (JEFF)	1.1,1.2	AB	BB	BB	AA	AB	24,28
47B (PUGH)	INC	AB	AA	AB	AB	AA	18,22
16A	INC	BB	AB	BB	AA	AC	INC
5A	1.2,2	BB	AB	BB	AA	AC	INC
5B,14I,15A,15B, 17A,17C	1.2,2	BB	AB	BB	AA	AC	24,26
7	1.2,2	BB	AB	BB	AA	AC WB	24,26
14L	1.2,2	BB	AB	BB	AA WB	AC WB	24,26
14M	1.2,2	BB	AB	BB WA	AA WB	AC WB	24,26 W18

INC = INCONCLUSIVE
W = WEAK

BASED ON THESE RESULTS, THE DNA PROFILES DEVELOPED FROM EXHIBITS #5A, 5B, 14I, 15A, 15B, 16A, 17A AND 17C MATCHED THE PROFILE FROM JONBENET RAMSEY.

THE DNA PROFILES DEVELOPED FROM EXHIBITS #7, 14L AND 14M REVEALED A MIXTURE OF WHICH THE MAJOR COMPONENT MATCHED JONBENET RAMSEY. IF THE MINOR COMPONENTS FROM EXHIBITS #7, 14L AND 14M WERE CONTRIBUTED BY A SINGLE INDIVIDUAL, THEN JOHN ANDREW RAMSEY, MELINDA RAMSEY, JOHN B. RAMSEY, PATRICIA RAMSEY, BURKE RAMSEY, JEFF RAMSEY, JOHN FERNIE, PRISCILLA WHITE AND MERVIN PUGH WOULD BE EXCLUDED AS A SOURCE OF THE DNA ANALYZED ON THOSE EXHIBITS.

DNA PROFILES COULD NOT BE DEVELOPED FROM THE SPERM FRACTIONS FROM EXHIBITS #23A OR 23B. THE DNA PROFILES FROM THE EPITHELIAL FRACTIONS FROM EXHIBITS #23A AND 23B WERE CONSISTENT WITH JOHN B. RAMSEY OR A MIXTURE OF JOHN B. RAMSEY AND PATRICIA RAMSEY.

A DNA PROFILE COULD NOT BE DEVELOPED FROM EXHIBIT #48B AND A COMPLETE PROFILE COULD NOT BE DEVELOPED FROM EXHIBITS #42B-2 OR 47B.

THE SAMPLES SUBMITTED FOR DNA ANALYSIS AND THE EXTRACTED DNA WILL BE PRESERVED FROZEN AT THE CBI LABORATORY FOR TWO YEARS FROM THE INITIAL SUBMITTAL DATE.

KMD:LK 011597