



Department of Criminal Justice Services  
DIVISION OF FORENSIC SCIENCE

ORIGINAL

CERTIFICATE OF ANALYSIS

Northern Laboratory  
9797 Braddock Road  
Suite 200  
Fairfax, VA 22032

February 26, 1999

Tel. No.: (703) 764-4600  
Fax: (703) 764-4633

TO: STEWART CHASE  
ARLINGTON COUNTY POLICE DEPARTMENT  
1425 N COURTHOUSE ROAD  
ARLINGTON VA 22201

FS Lab #N98-9385

Your Case #: 981118012

Victim(s): DICKS, Clayton

Suspect(s): LOVITT, Robin

Evidence Submitted By: Stewart Chase

Date Received: 11/20/98

Item 1 Blood sample from Dicks  
Item 2 Pair of scissors

Evidence Submitted By: Stewart Chase

Date Received: 12/07/98

Item 5 Fingernail clippings and hair sample from Dicks  
Item 6 Blood sample from Lovitt  
Item 7 Right sneaker from Lovitt  
Item 8 Left sneaker from Lovitt  
Item 9 Sweat shirt from Lovitt  
Item 10 Jeans and set of keys from Lovitt  
Item 11 Shirt from Lovitt  
Item 12 Jacket, driver's license and disposable lighter from Lovitt  
Item 13 Tank top from Lovitt  
Item 14 Pair of shoes from Lovitt

RESULTS:

Item 1 Human deoxyribonucleic acid (DNA) was isolated from the blood sample of Dicks. This sample was amplified and typed using the PowerPlex system (which includes the CSF1PO, TPOX, TH01, vWA, D16S539, D7S820, D13S317 and D5S818 loci). Refer to the table for the typing results.



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Department of Criminal Justice Services  
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Arlington County Police Department  
Your Case # 981118012  
FS Lab #N98-9385  
February 26, 1999

**RESULTS (CONTINUED):**

- Item 2 Test results indicate the presence of blood in two stained areas designated A and B on the pair of scissors. Stained area A is located on the lower blade portion of the scissors and stained area B is located on the exterior mid-section of the item. Human DNA was isolated from these stained areas. Stained areas A and B were amplified and typed using the PowerPlex system. Refer to the table for the typing results. No further biological testing was conducted on the remaining areas of the scissors.
- Item 5 Test results indicate the presence of blood in stains and crusts on the fingernail clippings. Human DNA was isolated from this sample. This sample was amplified and typed using the PowerPlex system. Refer to the table for the typing results.
- No examination was conducted on the hair sample.
- Item 6 Human DNA was isolated from the blood sample of Lovitt. This sample was amplified and typed using the PowerPlex system. Refer to the table for the typing results.
- Items 7 through 11, 13 and 14 No evidence of blood was detected on these items.
- Item 12 Test results indicate the presence of blood in a stained area on the exterior front left side above the drawstring waist of the jacket. DNA was isolated from this stained area. This sample was amplified and typed using the PowerPlex system. Refer to the table for the typing results.
- No evidence of blood was detected on the driver's license or disposable lighter.


 Commonwealth of Virginia  
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Arlington County Police Department  
 Your Case # 98118012  
 FS Lab 498-9385  
 February 26, 1999

**CERTIFICATE OF ANALYSIS**

**SUMMARY OF POWERPLEX TYPING RESULTS**

Item	Description	CSF1PO	TPOZ	TH01	VWA	D16S539	D7S820	D13S17	D5S818
1	Blood sample from Clayton Dickie	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
6	Blood sample from Robin Lovitt	10, 12	8, 11	7, 9.3	16, 17	9, 12	8, 12	11, 12	10, 12
2	Scissors								
	- Stained area A	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
	- Stained area B	8, 13	8, 9	7, 7	11, 14, (17)	12, 13	8, 11	10, 14	8, 12
5	Fingernail clippings	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
12	Jacket	-INC-	***	-INC-	-INC-	-INC-	-INC-	-INC-	-INC-

Note:  
 -INC-: Numbers in parentheses ( ) denote alleles that are lesser in intensity than other alleles present.  
 \*: Indicates inconclusive results obtained.  
 \*\*: Indicates no amplification results obtained.



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Arlington County Police Department  
Your Case # 981118012  
PS Lab #N98-9385  
February 26, 1999

**CONCLUSIONS:**

Based on the above test results, the DNA profile obtained from stained area A on the scissors (Item 2) is consistent with the DNA profile of Clayton Dicks and different from the DNA profile of Robin Lovitt. Therefore, Clayton Dicks cannot be eliminated as a possible contributor of the DNA obtained in this sample. The probability of randomly selecting an unrelated individual with a matching DNA profile as obtained from stained area A on the scissors (Item 2) at the genetic loci listed above is 1 in greater than 5.5 billion (which is approximately the world population) in the Caucasian, Black and Hispanic populations.

The DNA profile obtained from stained area B on the scissors (Item 2) is consistent with a mixture of the DNA profiles of Clayton Dicks and at least one other individual. Therefore, Clayton Dicks cannot be eliminated as a possible co-contributor of this genetic material. No conclusions can be made in reference to Robin Lovitt being a possible co-contributor to this mixture.

No types foreign to the DNA profile of Clayton Dicks was obtained from his fingernail clippings (Item 5). Therefore, no determination can be made as to the possible presence of genetic material from another individual in this sample.

No conclusive results were obtained from the stained area on the jacket (Item 12). Therefore, no determination can be made as to the possible contributor of the genetic material in this sample.

The evidence is being retained for personal pickup.

Attest:

I certify that I performed the above analysis or examination as an employee of and in a laboratory operated by the Division of Forensic Science, and that the above is an accurate record of the results of that analysis or examination.

Carol A. Palmer  
Carol A. Palmer  
Forensic Scientist

AP



Commonwealth of Virginia  
Department of Criminal Justice Services  
**DIVISION OF FORENSIC SCIENCE**

ORIGINAL

**CERTIFICATE OF ANALYSIS**

Northern Laboratory  
9797 Braddock Road  
Suite 200  
Fairfax, VA 22032

July 12, 1999

Tel. No.: (703) 764-4600  
Fax: (703) 764-4633

**TO:** STEWART CHASE  
ARLINGTON COUNTY POLICE DEPARTMENT  
1425 N COURTHOUSE ROAD  
ARLINGTON VA 22201

PS Lab #N98-9385

Your Case #: 981118012

Victim(s): DICKS, Clayton

Suspect(s): LOVITT, Robin

Evidence Submitted By: Stewart Chase

Date Received: 03/04/99

Item 15 Stained swab from cash register

Item 16 Control swab for Item 15

**RESULTS:**

Item 15 Test results indicate the presence of blood on the stained swab. Human deoxyribonucleic acid (DNA) was isolated from this stained swab. This sample was amplified and typed using the PowerPlex system (which includes the CSF1PO, TPOX, TH01, vWA, D16S539, D7S820, D13S317 and D5S818 loci). Refer to the table for the typing results.

Item 16 No evidence of blood was detected on the control swab.

The following table summarizes the typing results reported here and in the Certificate of Analysis for FS Lab #N98-9385 dated February 26, 1999.

Page 1 of 4

2124


 Commonwealth of Virginia  
 Department of Criminal Justice Services  
**DIVISION OF FORENSIC SCIENCE**

ORIGINAL

Arlington County Police Department  
 Your Case # 981118012  
 FS Lab #98-9385  
 July 12, 1999

**SUMMARY OF POLYPLEX TYPING RESULTS**

**CERTIFICATE OF ANALYSIS**

Item	Description	CSP/PO	TPOX	TH01	VWA	D16S539	D7S820	D13S317	D5S818
1	Blood sample from Clayton Dicks	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
6	Blood sample from Robin Lovitt	10, 12	8, 11	7, 9.3	16, 17	9, 12	8, 12	11, 12	10, 12
2	Scissors								
	- Stained area A	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
	- Stained area B	8, 13	8, 9	7, 7	11, 14 (17)	12, 13	8, 11	10, 14	8, 12
5	Fingernail clippings	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
12	Jacket	-INC-	***	-INC-	-INC-	-INC-	-INC-	-INC-	-INC-
15	Stained swab from cash register	11, 12	8, 11	6, 7	15, 17	12, 12	8, 12	12, 13	11, 12

Note:  
 -INC- : Indicates inconclusive results obtained.  
 \*\*\*: Indicates no amplification results obtained.



Commonwealth of Virginia  
Department of Criminal Justice Services  
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**CERTIFICATE OF ANALYSIS**

Arlington County Police Department  
Your Case # 981118012  
FS Lab #N98-9385  
July 12, 1999

**CONCLUSIONS:**

Based on the above test results, the DNA profile obtained from stained area A on the scissors (Item 2) is consistent with the DNA profile of Clayton Dicks and different from the DNA profile of Robin Lovitt. Therefore, Clayton Dicks cannot be eliminated as a possible contributor of the DNA obtained in this sample. The probability of randomly selecting an unrelated individual with a matching DNA profile as obtained from stained area A on the scissors (Item 2) at the genetic loci listed above is 1 in greater than 5.5 billion (which is approximately the world population) in the Caucasian, Black and Hispanic populations.

The DNA profile obtained from stained area B on the scissors (Item 2) is consistent with a mixture of the DNA profiles of Clayton Dicks and at least one other individual. Therefore, Clayton Dicks cannot be eliminated as a possible co-contributor of this genetic material. No conclusions can be made in reference to Robin Lovitt being a possible co-contributor to this mixture.

No types foreign to the DNA profile of Clayton Dicks was obtained from his fingernail clippings (Item 5). Therefore, no determination can be made as to the possible presence of genetic material from another individual in this sample.

No conclusive results were obtained from the stained area on the jacket (Item 12). Therefore, no determination can be made as to the possible contributor of the genetic material in this sample.

The DNA profile obtained from the stained swab (Item 15) is different from the DNA profiles of Clayton Dicks and Robin Lovitt. Therefore, both Clayton Dicks and Robin Lovitt are eliminated as possible contributors of the genetic material detected from this sample.

Further comparisons can be conducted if additional blood samples are submitted to the Laboratory.



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Arlington County Police Department  
Your Case # 981118012  
FS Lab #N98-9385  
July 12, 1999

The evidence will be available for personal pickup two weeks after the receipt of this Certificate of Analysis.

Attest:

I certify that I performed the above analysis or examination as an employee of and in a laboratory operated by the Division of Forensic Science, and that the above is an accurate record of the results of that analysis or examination.

Carol A. Palmer  
Carol A. Palmer  
Forensic Scientist

CAP

Page 4 of 4

2127



## COMMONWEALTH of VIRGINIA

### DEPARTMENT OF CRIMINAL JUSTICE SERVICES

DIVISION OF FORENSIC SCIENCE  
CENTRAL LABORATORY  
A Nationally Accredited Laboratory

P.O. BOX 999  
RICHMOND, VIRGINIA 23208  
(804) 786-4707

September 8, 1999

Denman A. Rucker, Esq.  
Rucker & Rucker  
2009 North 14th Street, Suite 609  
Arlington, VA 22201

Re: Commonwealth of Virginia v. Robin Lovitt  
CR99-56-57 (FS Lab # N98-9385)

Dear Mr. Rucker:

This is in response to the Court Order received in the above referenced case. The following list, with paragraphs numbered to correspond to those in the Order, describes the materials which the Division of Forensic Science is providing herein, is making available for inspection, or cannot provide.

- (1) There are no "image files, analysis files and project file"; therefore, these cannot be provided.
- (2) One photocopy of each original gel image is provided herein. If these are not adequate for review, the original gel images are available for review upon appointment with Mrs. Carol Palmer, the examiner who conducted the DNA analysis.
- (3) Gel images and the associated STaRCall™ spread sheets were used in the interpretation of the gel images. One photocopy of each original gel image was provided in paragraph 2 above. A copy of each of the associated STaRCall™ spread sheets is provided herein.
- (4) Pages 46-56 of Section III of the Commonwealth of Virginia Division of Forensic Science Forensic Biology Section Procedure Manual and addenda in memorandum format dated July 20, 1998 and March 17, 1999 set forth the procedures used for interpreting DNA STR results, including mixed stain results. One copy of pages 46-56 and the aforementioned memoranda are provided herein.

Fax Numbers: Administration (804) 786-6857 \* Breath Alcohol and Training (804) 786-6139 \* Evidence Receiving (804) 786-6924 \* Drugs, Trace Evidence Toxicology & Firearms (804) 786-6305 \* Forensic Biology & Questioned Documents (804) 786-9985 \* Latent Prints (804) 786-6190 \* Maintenance (804) 786-9986

2129

Mrs. Palmer can be reached at (703) 764-4619 for an appointment to view the original gel images associated with the DNA PCR-based STR analysis which she conducted. If I can be of further assistance, please feel free to contact me at (804) 786-2343.

Sincerely,



Deanne F. Dabbs  
Program Manager  
Forensic Biology Section

Enclosures

cc: File

Barbara L. Walker, Esq.

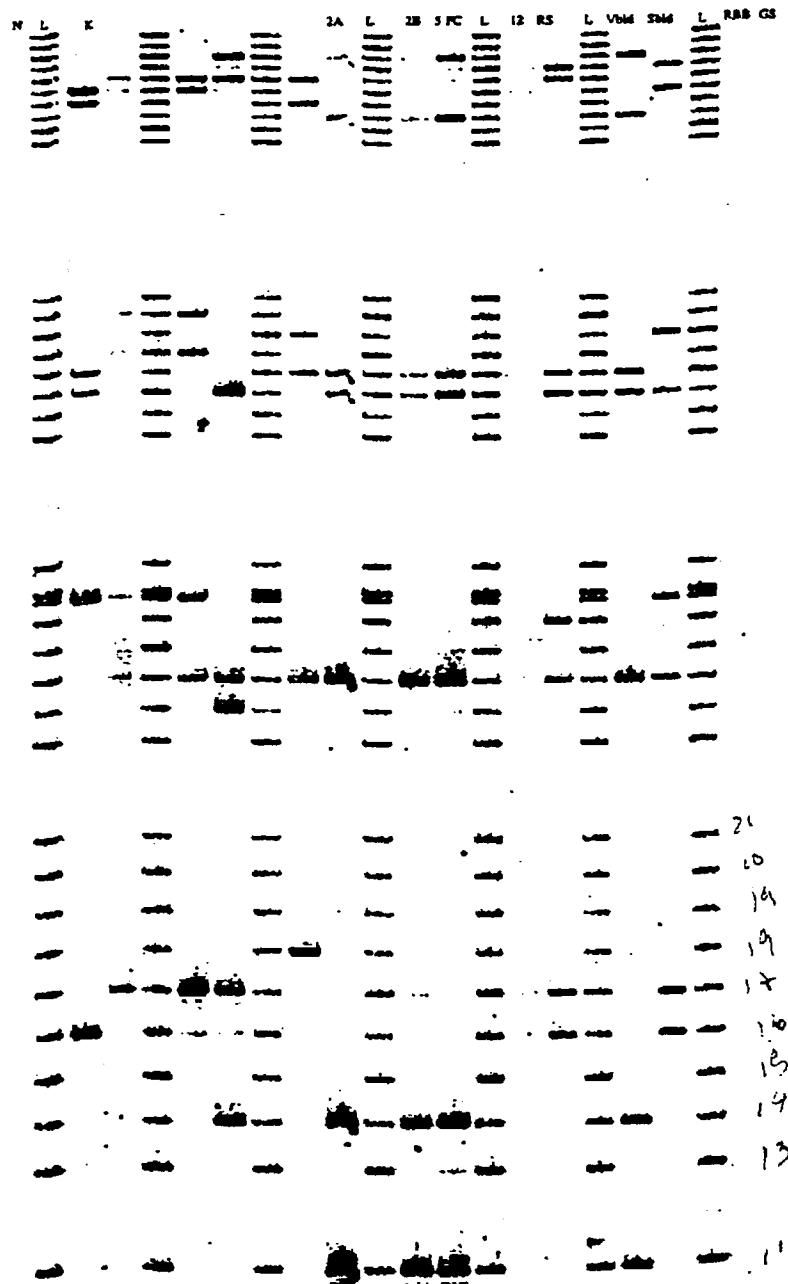
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Resolution(DPI) 150 x 150

CP

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Rate 0.0256 s/line  
Repeat 1 times

Gray Level Correction  
Type Low(Background) Range 50 % [426]  
High(Signal) 1 % [1020]

N98-9385 Gel # 012199MAM-13 1/22/99 CP Separated image CTTv



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FileName: 012199MAM-13.CH  
Created 1/22/99 Modified 1/25/99  
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Resolution(DPI) 150 x 150

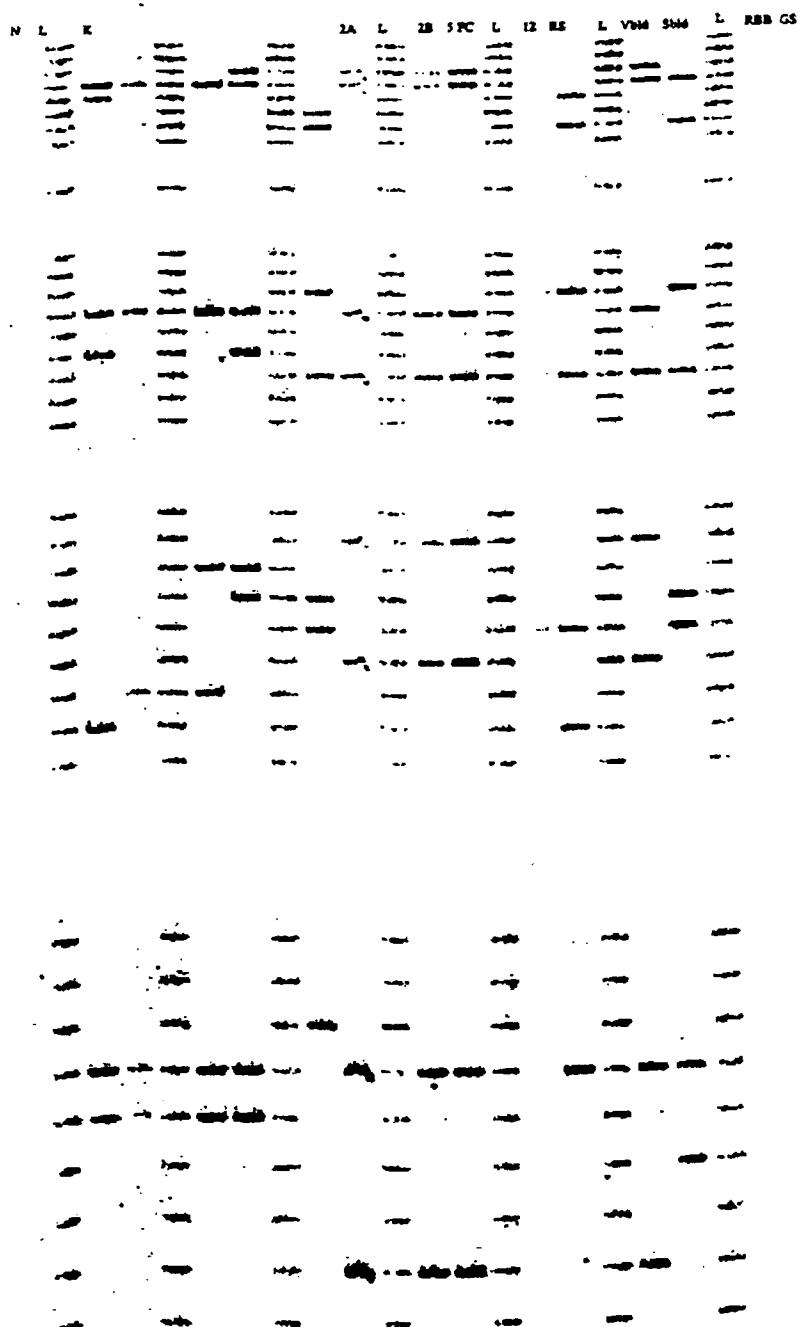
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Repeat 1 times

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N98-9385 Gel # 012199MAM-13 1/22/99 CP

Separated image DDDD

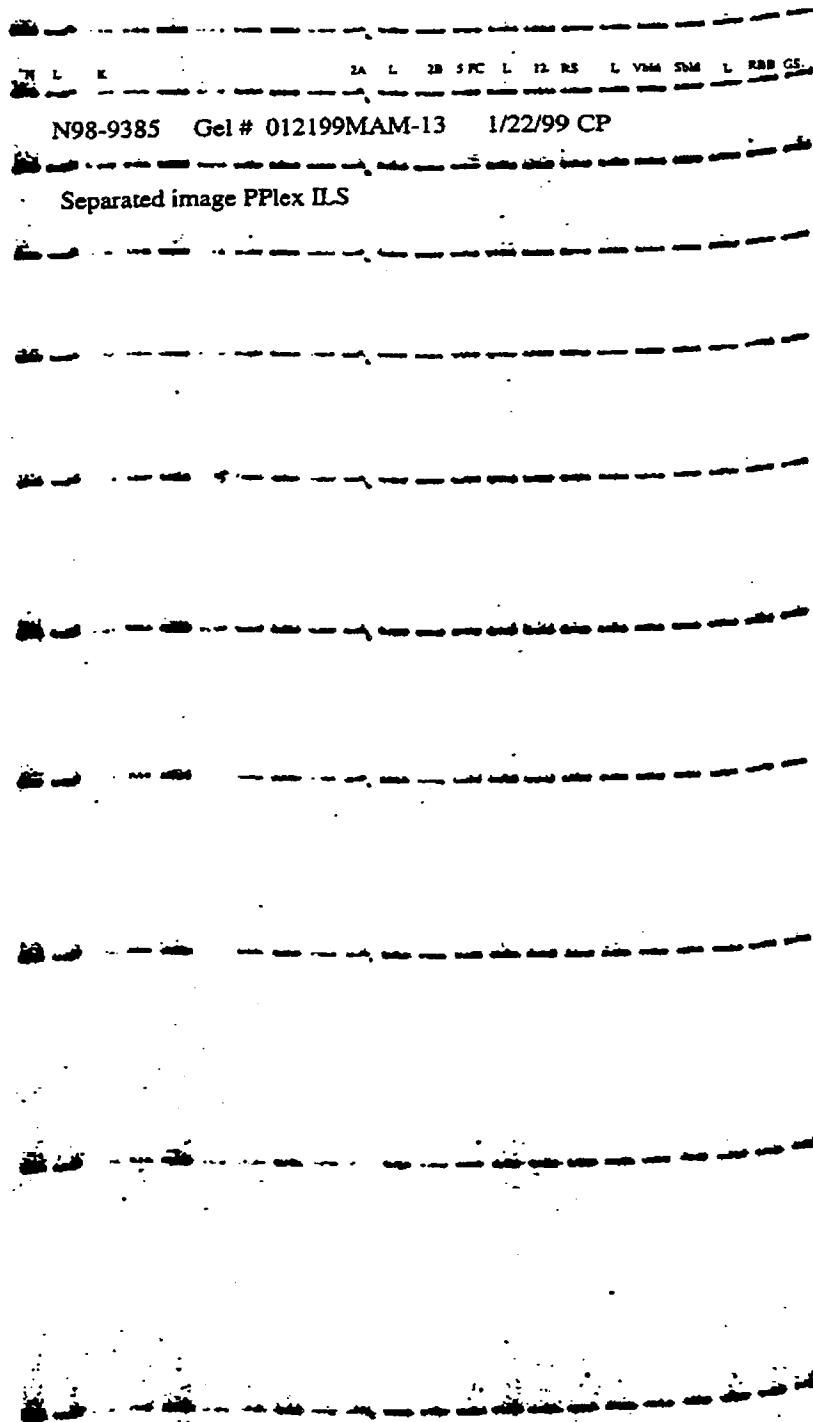


2132

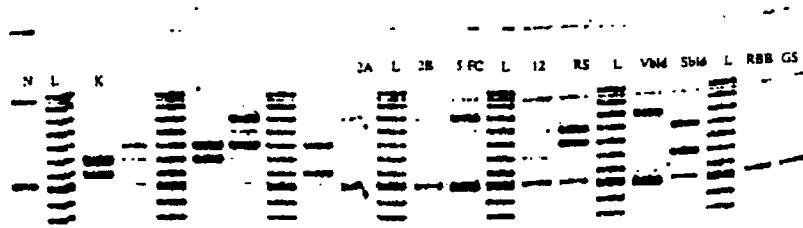
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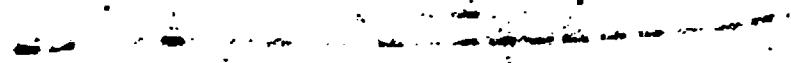
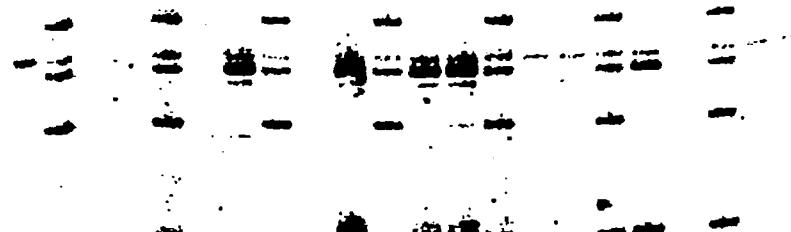
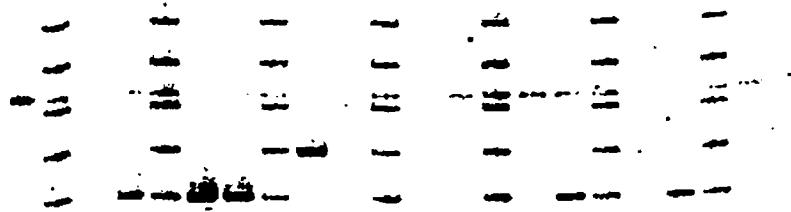
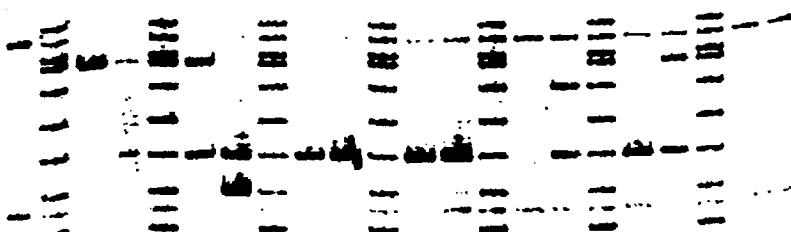
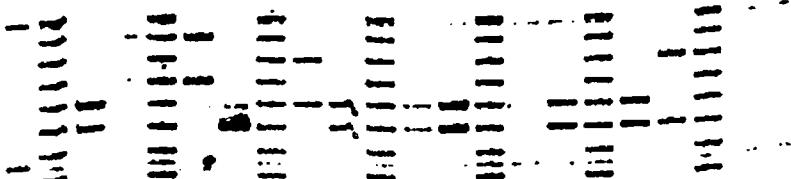
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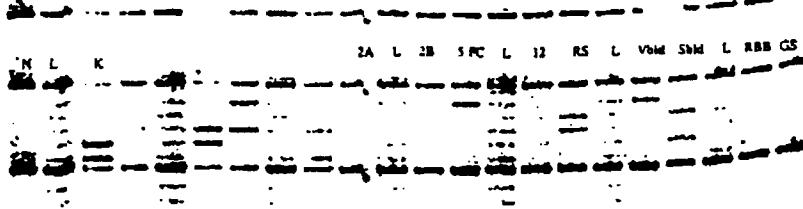
2133



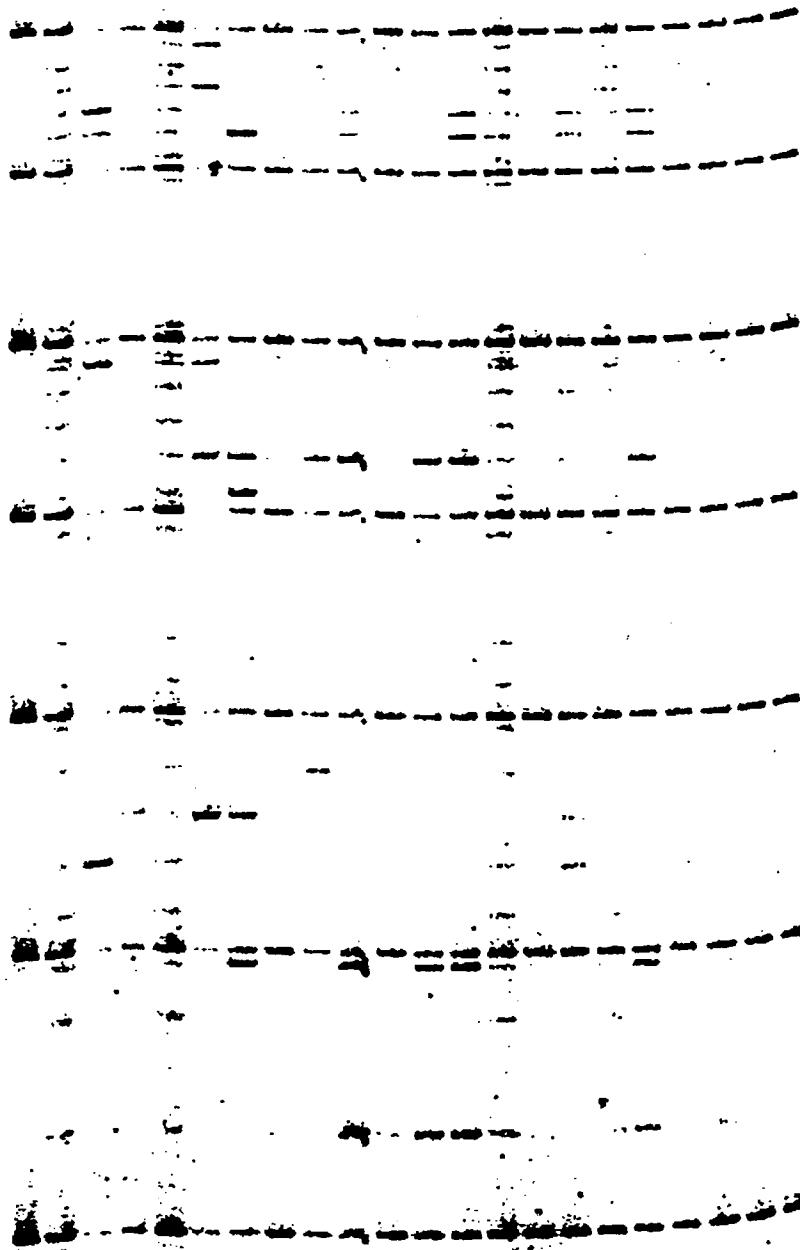
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Raw image CTTv



2134



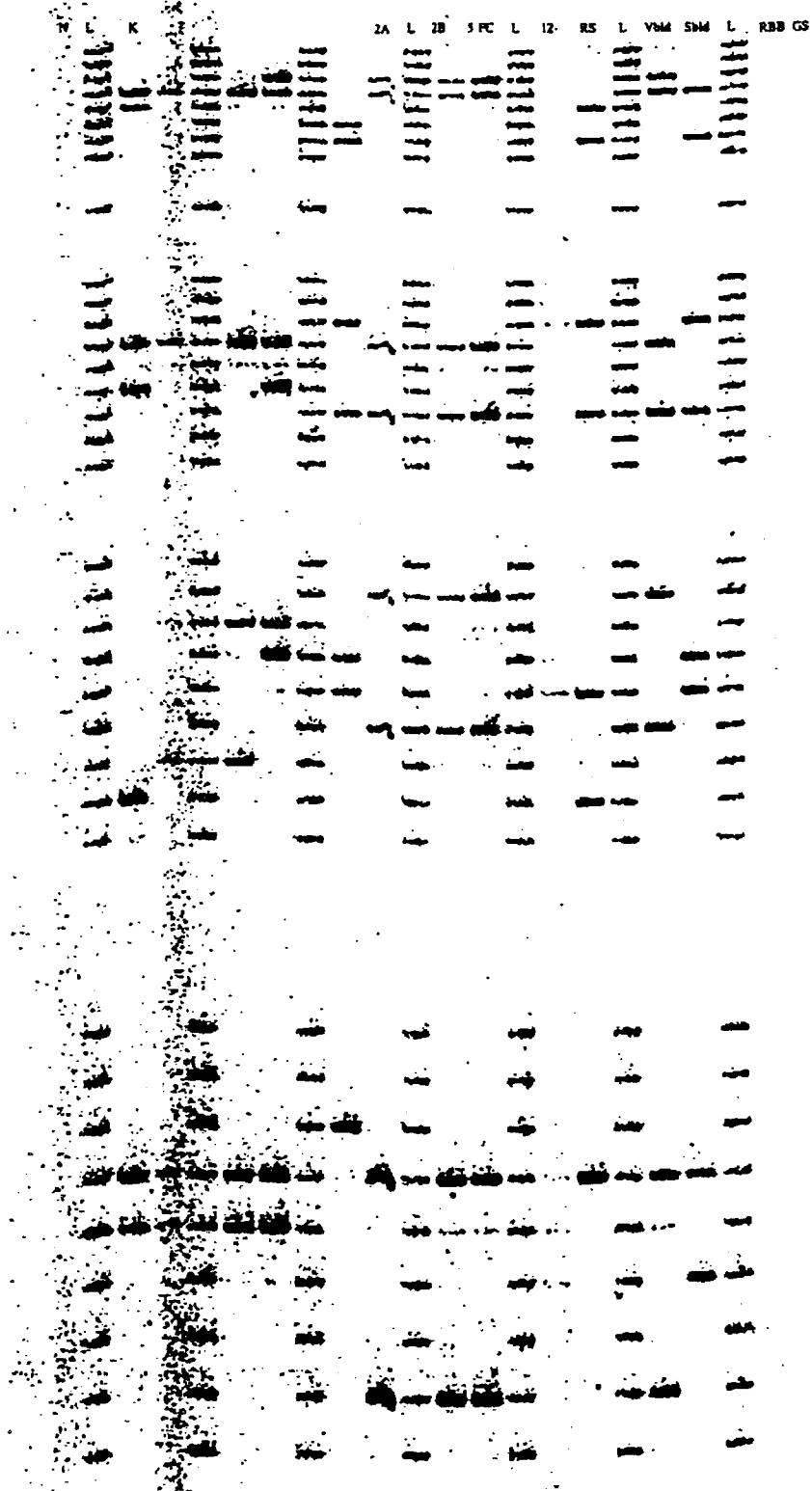
N98-9385 Gel # 012199MAM-13 1/22/99 CP  
Raw image PPlex ILS



N98-9385 Gel # 2199MAM-13 1/22/99 CP

Raw image DDDD

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2136

N98-9385.P.DAT

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N98-9385.P.DAT

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2/20/1999

N98-9385.P2.dat

MM for CP (2nd size)

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2/20/1999

N98-9385.P2.dai

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MM for CP (2nd size)

2/20/1999

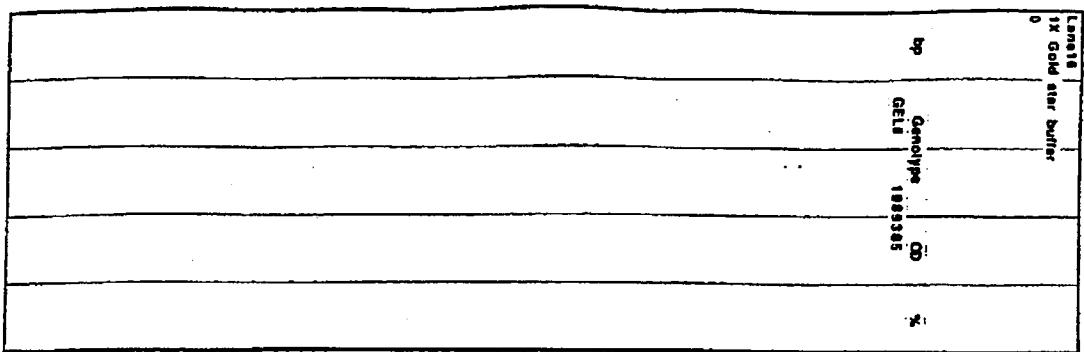
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With CP  
last for CP (2nd size)

2/22/99

N98-9385.P.DAT

C10

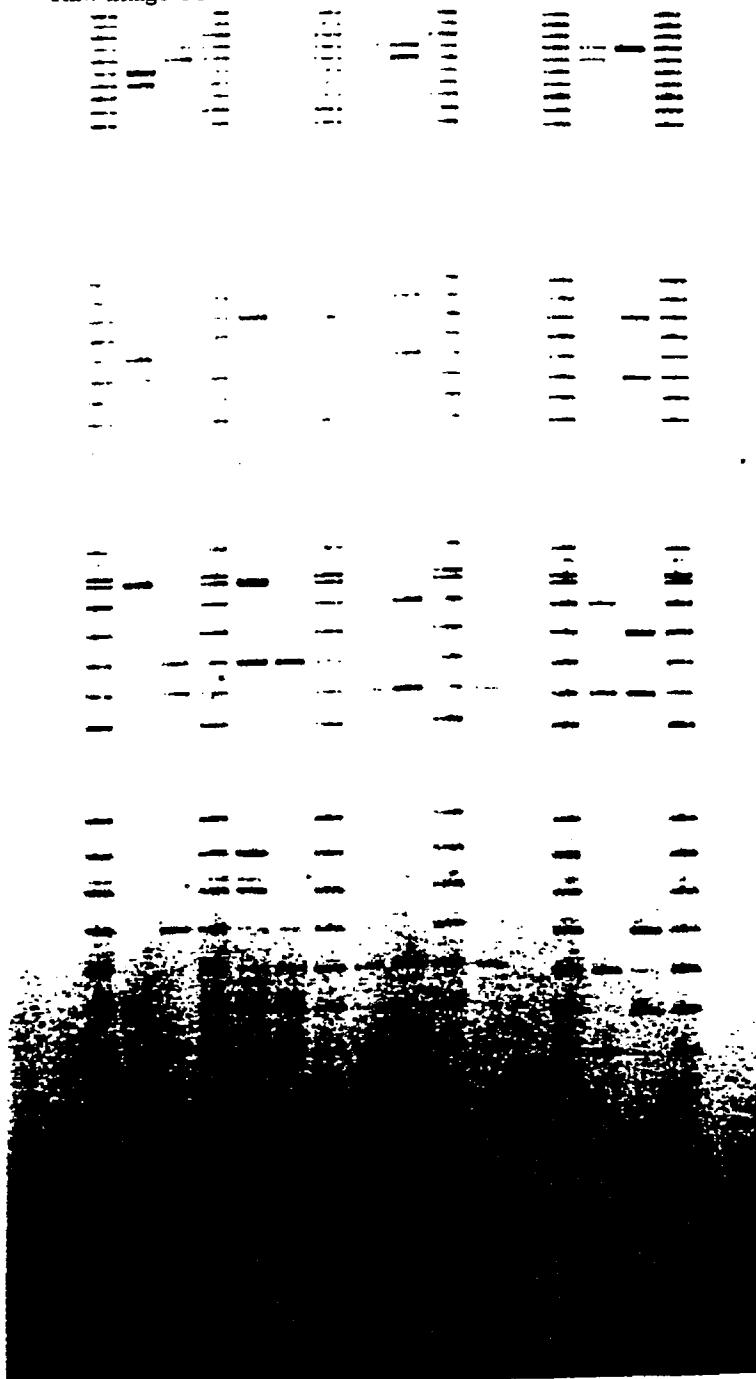


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Sensitivity 70%  
Focusing Point 0.2 mm

Gray Level Correction  
Type Range  
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High(Signal) 1 % [3021]

N98-9385 Gel # 081899JBD-8 of  
Raw image CTTv 8/19/99 CP



081899JBD-8 gel

not sized due  
to dark pattern  
at bottom of gel.

Reprinted on  
another gel

2143

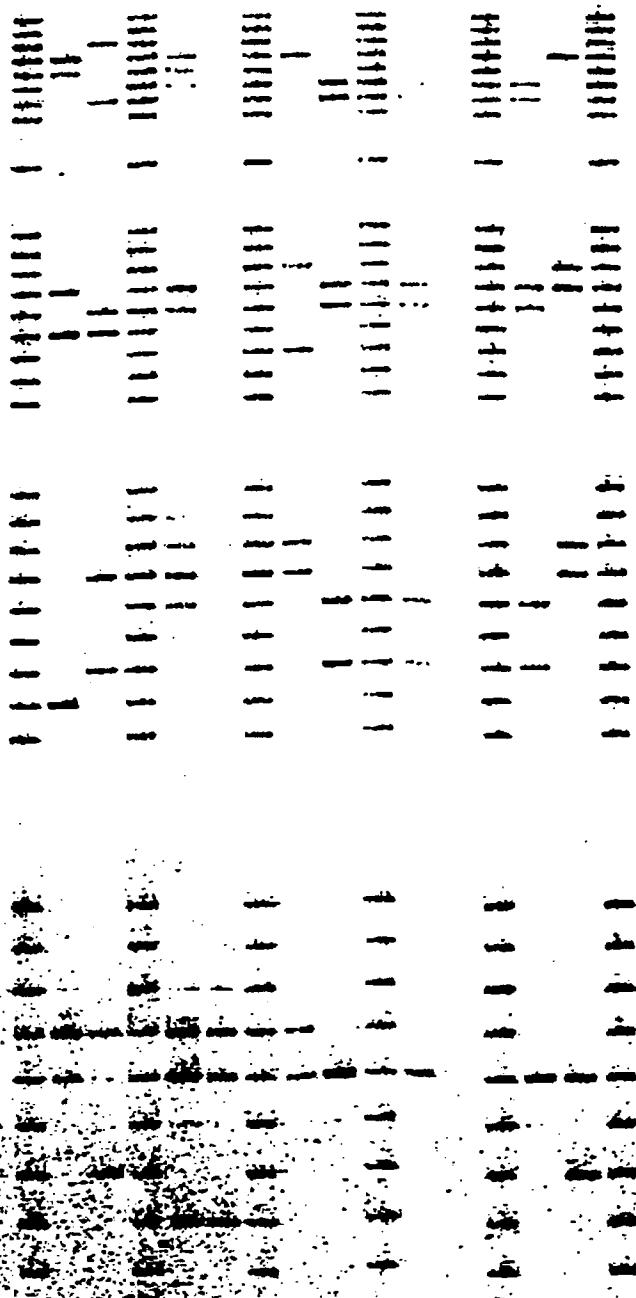
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Sensitivity 100%  
Focusing Point 0.2 mm

Gray Level Correction  
Type Low(Background) 50 % [80]  
High(Signal) 1 % [277]

N98-9385 Gel # 081899JBD-8  
Raw image DDDD 8/19/99 CP

CH



2144

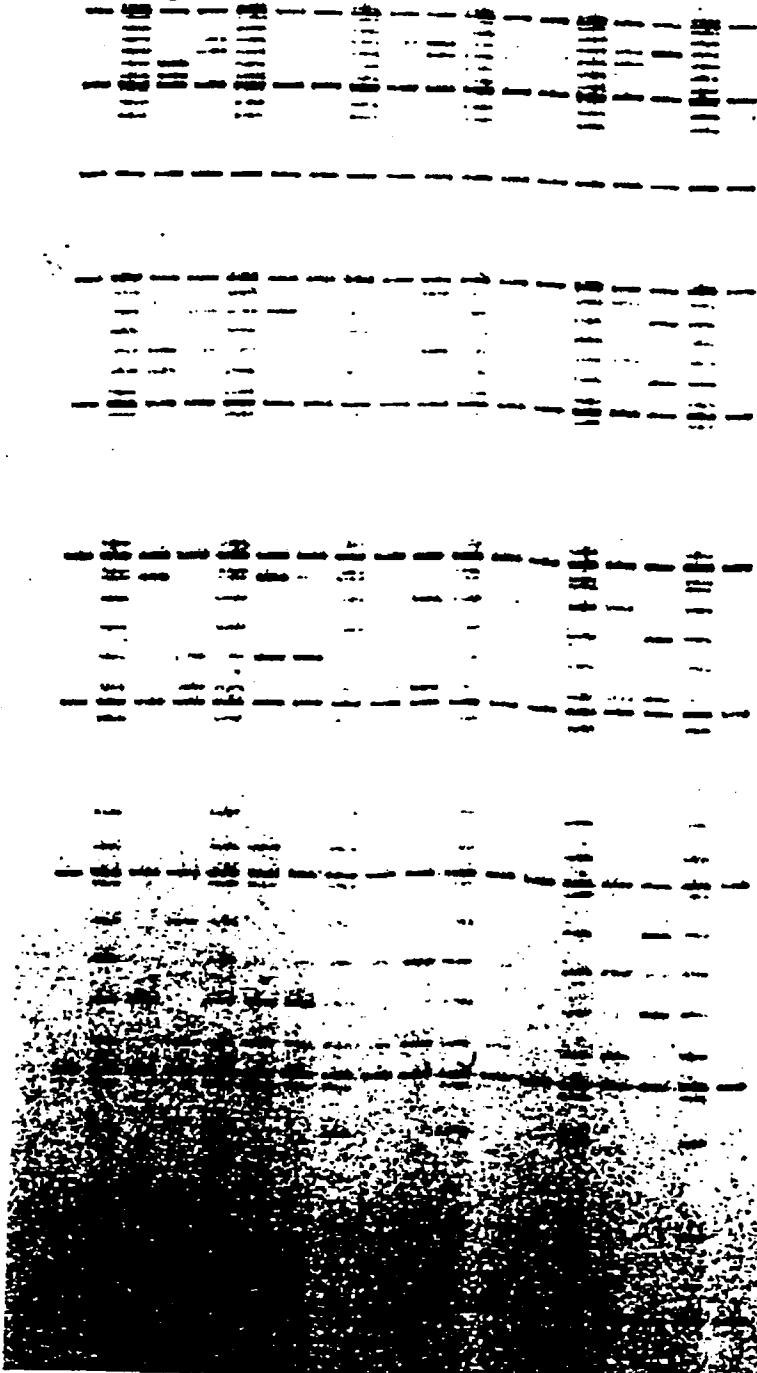
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Created 8/19/99 Modified 9/2/99  
ImageSize(mm) 111.9 x 244.1  
Resolution(DPI) 150 x 150

Reading Parameters  
Repeat 256 times  
Channel 4ch  
Sensitivity 100%  
Focusing Point 0.2 mm

Gray Level Correction  
Type Range  
Low(Background) 50 % [1279]  
High(Signal) 2 % [2009]

CW

N98-9385 Gel # 081899JBD-8 8/19/99 CP  
Raw image PPLex ILS



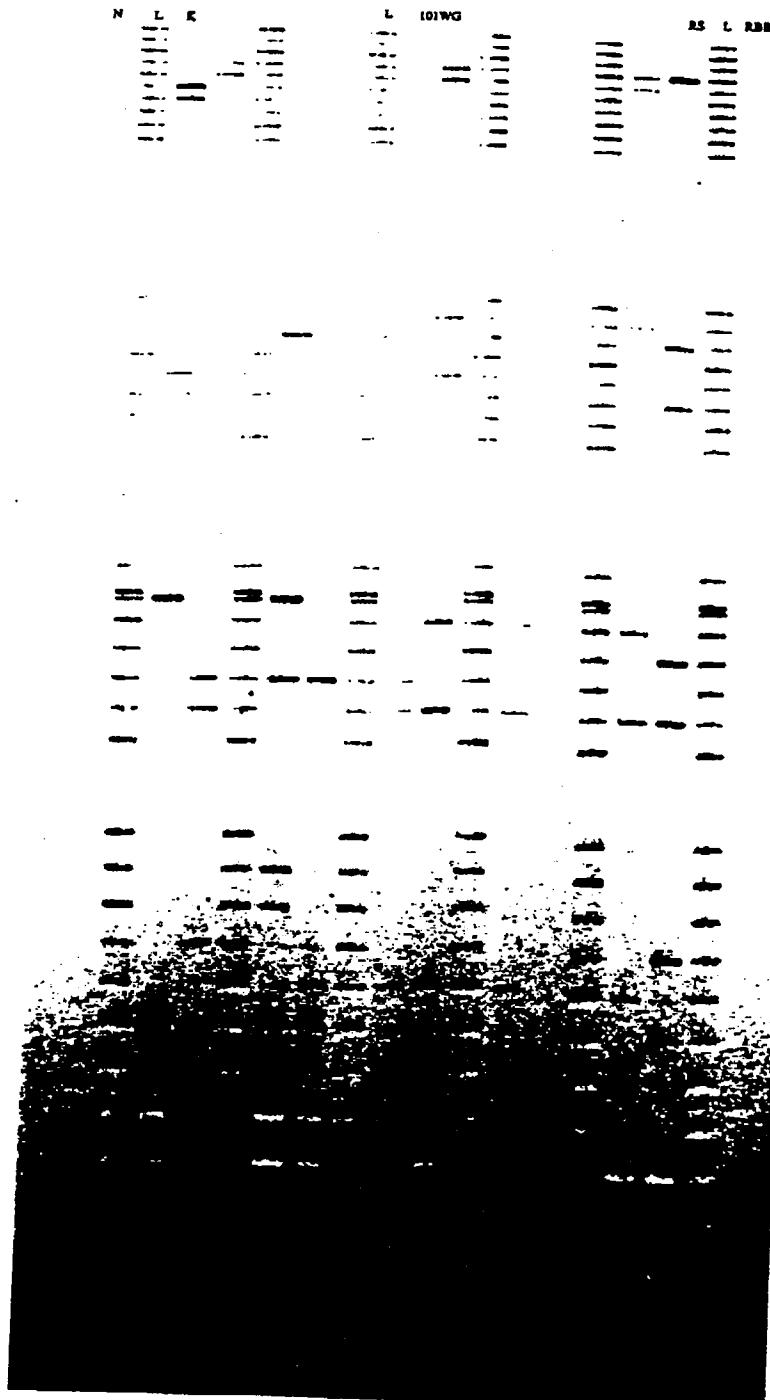
2145

FileName: 081899JBD-8.2CH  
Created 9/2/99 Modified 9/2/99  
ImageSize(mm) 111.9 x 244.1  
Resolution(DPI) 150 x 150

Reading Parameters  
Rate 0.0256 s/line  
Repeat 1 times

Gray Level Correction  
Type Low(Background) Range 50 % [878]  
High(Signal) 1 % [3200]

N98-9385 Gel # 081899JBD-8 CTTv 8/19/99 CP



2146

FileName: 081899JBD-8.3CH  
Created 9/2/99 Modified 9/2/99  
ImageSize(mm) 111.9 x 244.1  
Resolution(DPI) 150 x 150

Reading Parameters  
Rate 0.0256 s/line  
Repeat 1 times

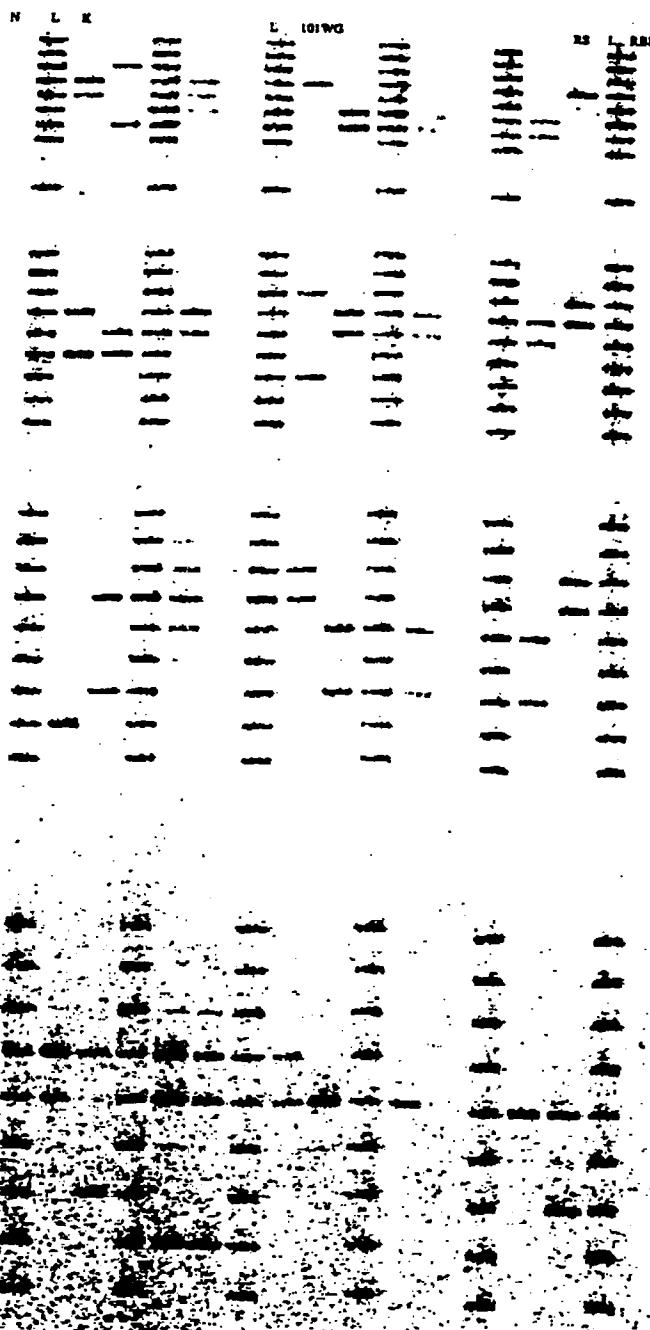
Gray Level Correction  
Type Low(Background) Range 50 % [80]  
High(Signal) 1 % [400]

CP

N98-9385 Gel # 081899JBD-8

DDDD

8/19/99 CP



2147

File Name: 081899JBD-8.4CH  
Created 9/2/99 Modified 9/2/99  
ImageSize(mm) 111.9 x 244.1  
Resolution(DPI) 150 x 150

Reading Parameters  
Rate 0.0256 s/line  
Repeat 1 times

Gray Level Correction  
Type  
Low(Background) 50 % [1279]  
High(Signal) 1 % [4000]

ON

N98-9385 Gel # 081899JBD-8 PPlex ILS 8/19/99 CP

N L E L 101WG AS L 928



2148

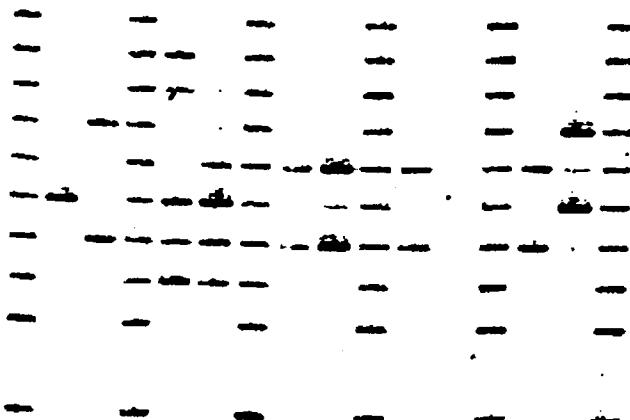
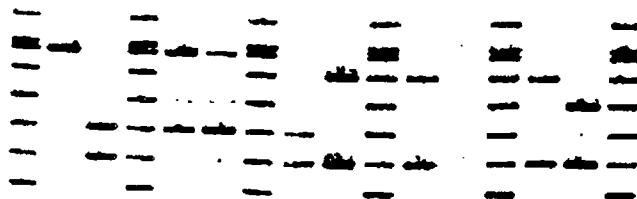
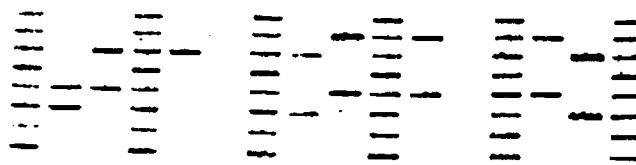
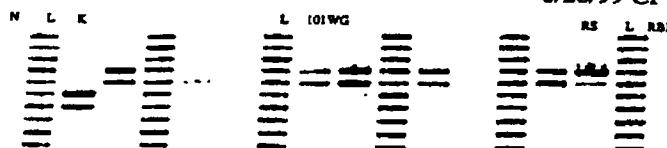
FileName: 082599CP-12.2CH  
Created 8/31/99 Modified 8/31/99  
ImageSize(mm) 119.8 x 238.9  
Resolution(DPI) 150 x 150

Reading Parameters  
Rate 0.0256 s/line  
Repeat 1 times

Gray Level Correction  
Type Low(Background) Range 50 % [514]  
High(Signal) 1 % [1500]

of

N98-9385 Gel #082599CP-12 CTTv 8/26/99 CP



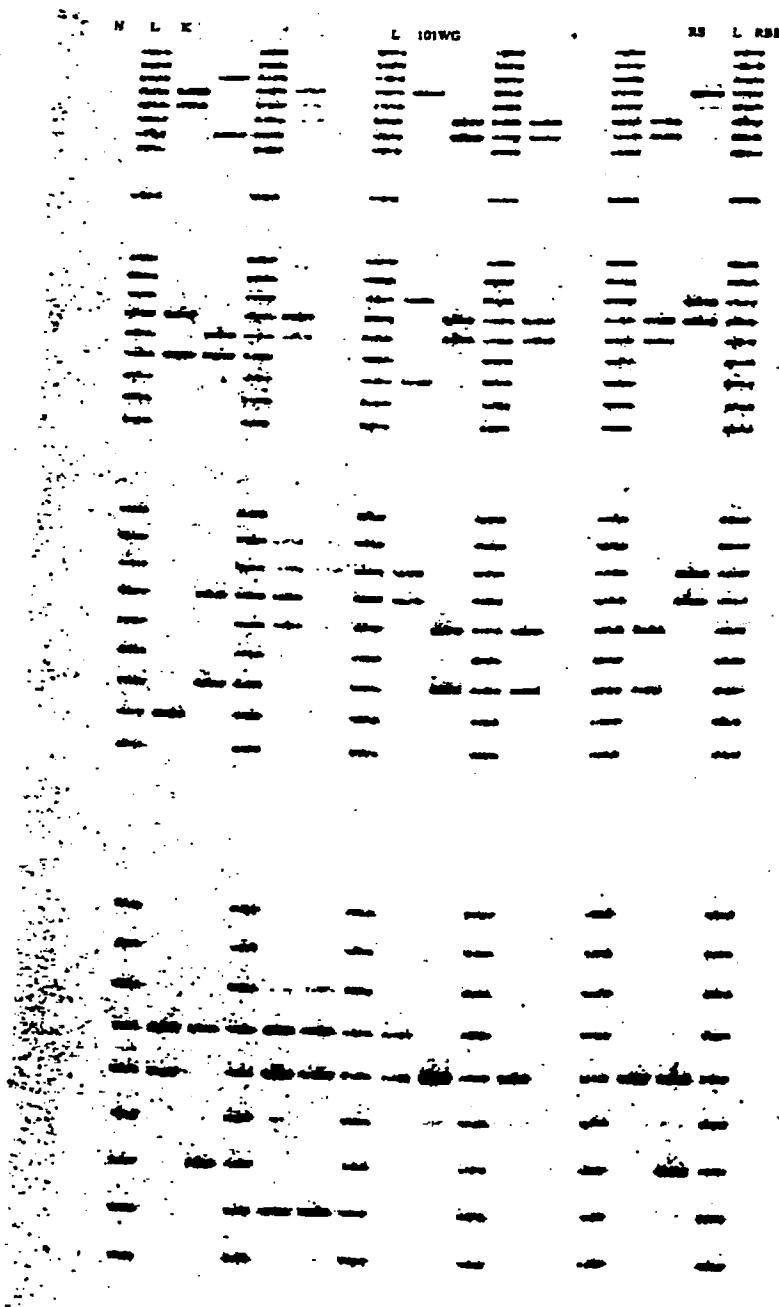
2149

FileName: 082599CP-12.3CH  
Created 8/31/99 Modified 8/31/99  
ImageSize(mm) 119.8 x 238.9  
Resolution(DPI) 150 x 150

Reading Parameters  
Rate 0.0256 s/line  
Repeat 1 times

Gray Level Correction  
Type  
Low(Background) 50 % [77]  
High(Signal) 1 % [380]

N98-9385 Gel #082599CP-12 DDDD 8/26/99 CP



2150

FileName: 082599CP-12.4CH  
Created 8/31/99 Modified 8/31/99  
ImageSize(mm) 119.8 x 238.9  
Resolution(DPI) 150 x 150

Reading Parameters

	Gray Level Correction	
	Type	Range
Rate	0.0256 s/line	Low(Background) 50 % [1287]
Repeat	1 times	High(Signal) 1 % [2700]

CD

N98-9385 Gel #082599CP-12 PPlex ILS 8/26/99 CP

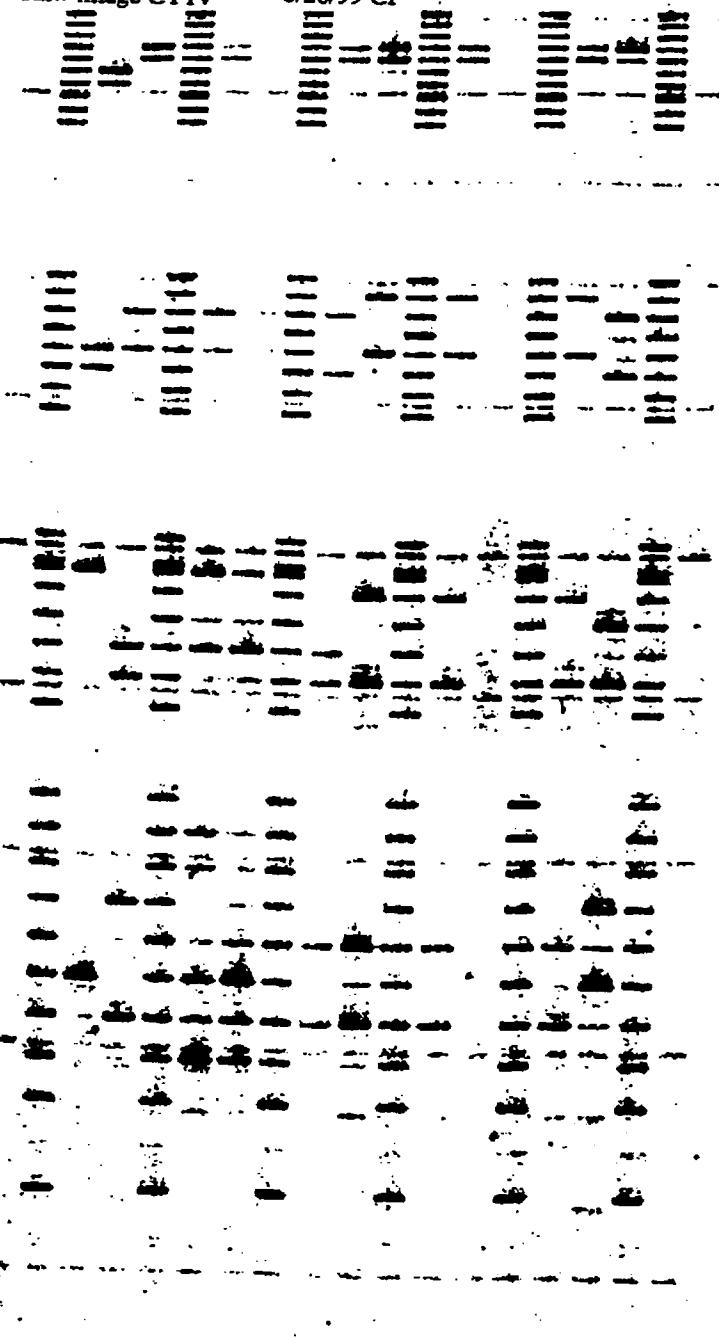
N L R L 101WG R S L ABB

FileName: 082599CP-12.2CH  
Created 8/26/99 Modified 8/31/99  
ImageSize(mm) 119.8 x 238.9  
Resolution(DPI) 150 x 150

Reading Parameters  
Repeat 256 times  
Channel 2ch  
Sensitivity 70%  
Focusing Point 0.2 mm

Gray Level Correction  
Type Low(Background) Range 50 % [514]  
High(Signal) 1 % [1395]

N98-9385 Gel# 082599CP-12 OF  
Raw image CTTv 8/26/99 CP

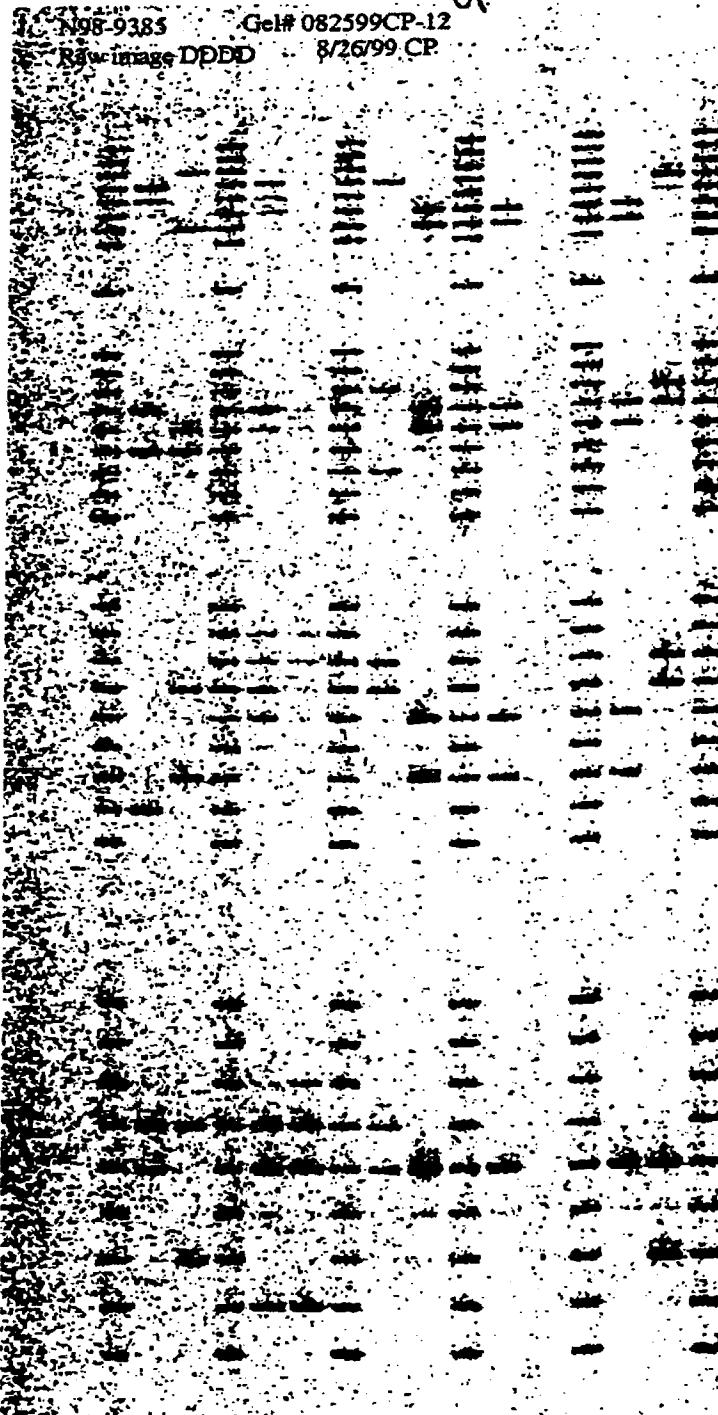


2152

FileName: 082599CP-12.3CH  
Created 8/26/99 Modified 8/31/99  
ImageSize(mm) 119.8 x 238.9  
Resolution(DPI) 150 x 150

Reading Parameters  
Repeat 256 times  
Channel 3ch  
Sensitivity 100%  
Focusing Point 0.2 mm

Gray Level Correction  
Type Low(Background) Range 50 % [77]  
High(Signal) 1 % [232]

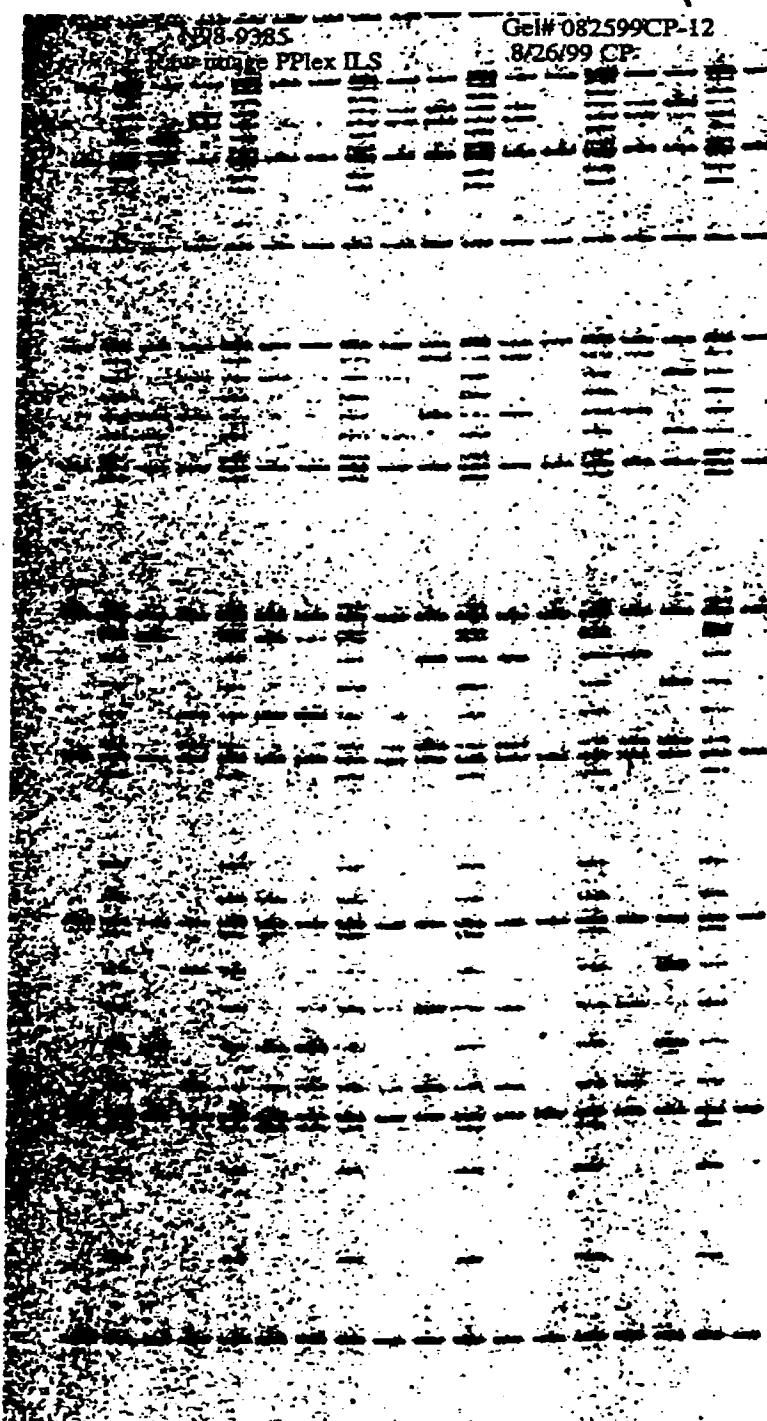


FileName: 082599CP-12.4CH  
Created 8/26/99 Modified 8/31/99  
ImageSize(mm) 119.8 x 238.9  
Resolution(DPI) 150 x 150

Reading Parameters  
Repeat 256 times  
Channel 4ch  
Sensitivity 100%  
Focusing Point 0.2 mm

### Gray Level Correction

Type	Range
Low(Background)	50 % [1287]
High(Signal)	1 % [1931]



2154

8/31/09

N98-9385.P.DAT

2155

88/1/8

N88-9385.P2nd.dai

CP  
CPD sizer for CP

SEP- 7-99 TUE 10:14 Northern Forensic Lab

P-02



Commonwealth of Virginia  
Department of Criminal Justice Services  
**DIVISION OF FORENSIC SCIENCE**

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**CERTIFICATE OF ANALYSIS**

Northern Laboratory  
3797 Braddock Road  
Suite 200  
Fairfax, VA 22032

September 7, 1999

Ref. No.: (703) 764-4690  
Fax: (703) 764-4633

TO: N. HANRAHAN  
STEWART CHASE  
ARLINGTOM COUNTY POLICE DEPARTMENT  
1425 N COURTHOUSE ROAD  
ARLINGTON VA 22201

FS Lab #N98-9385

Your Case #: 981116012

Victim(s): DICKS, Clayton

Suspect(s): LOVITT, Robin

Evidence Submitted By: N. Hanrahan

Date Received: 08/09/99

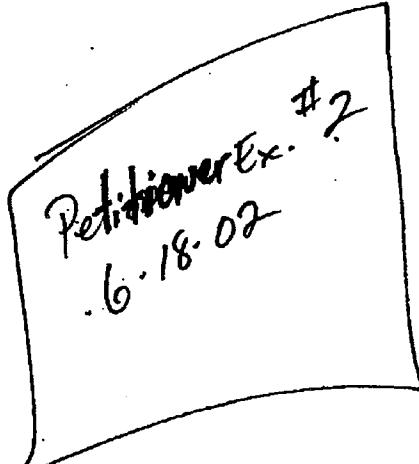
Item 101 Blood sample from Grant  
Item 102 Blood sample from Grant

**RESULTS:**

Item 101 Human deoxyribonucleic acid (DNA) was isolated from the blood sample of Warren Grant. This sample was amplified and typed using the PowerPlex system (which includes the CSF1PO, TPOX, TH01, vWA, D16S539, D7S820, D13S317 and D5S818 loci). Refer to the table for the typing results.

Item 102 No analysis was conducted on this item.

The following table summarizes the typing results reported here and in the Certificates of Analyses for FS Lab #N98-9385 dated February 26, 1999 and July 12, 1999.



Page 1 of 4

4346

Petitioner's Ex. \_\_\_\_\_

Commonwealth of Virginia

Department of Criminal Justice Services

## DIVISION OF FORENSIC SCIENCE

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Washington County Police Department  
 Bear Case # 981118012  
 RS lab M08-9185  
 September 7, 1999

## CERTIFICATE OF ANALYSIS

## SUMMARY OF POLYMERASE CHAIN REACTION RESULTS

Item	Description	CBS/PO	TR0X	TH01	WMA	D16S539	D7S820	D13S317	D5S818
1	Blood sample from Clayton Dicks	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
6	Blood sample from Robin Lovitt	10, 12	8, 11	7, 9, 3	16, 17	9, 12	8, 12	11, 12	10, 12
101	Blood sample from Warren Grant	11, 12	8, 11	6, 7	15, 17	12, 12	8, 12	12, 13	11, 12
2	Scissors								
	- Stained area A	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
	- Stained area B	8, 13	8, 9	7, 7	11, 14, (17)	12, 13	8, 11	10, 14	8, 12
5	Fingernail clippings	8, 13	8, 9	7, 7	11, 14	12, 13	8, 11	10, 14	8, 12
12	Jacket	-INC-	***	-INC-	-INC-	-INC-	-INC-	-INC-	-INC-
15	Stained swab from cash register	11, 12	8, 11	6, 7	15, 17	12, 12	8, 12	12, 13	11, 12

Note: Numbers in parentheses ( ) denote alleles that are lesser in intensity than other alleles present.

-INC- Indicates inconclusive results obtained.

\*\* Indicates no amplification results obtained.



Commonwealth of Virginia  
Department of Criminal Justice Services  
**DIVISION OF FORENSIC SCIENCE**

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**CERTIFICATE OF ANALYSIS**

Arlington County Police Department  
Your Case # 981118012  
FS Lab #W98-9385  
September 7, 1999

**CONCLUSIONS:**

Based on the above test results, the DNA profile obtained from stained area A on the scissors (Item 2) is consistent with the DNA profile of Clayton Dicks and different from the DNA profiles of Robin Lovitt and Warren Grant. Therefore, Clayton Dicks cannot be eliminated as a possible contributor of the DNA obtained in this sample. Both Robin Lovitt and Warren Grant are each eliminated as a possible contributor of the genetic material obtained. The probability of randomly selecting an unrelated individual with a matching DNA profile as obtained from stained area A on the scissors (Item 2) at the genetic loci listed above is 1 in greater than 5.5 billion (which is approximately the world population) in the Caucasian, Black and Hispanic populations.

The DNA profile obtained from stained area B on the scissors (Item 2) is consistent with a mixture of the DNA profiles of Clayton Dicks and at least one other individual. Therefore, Clayton Dicks cannot be eliminated as a possible co-contributor of this genetic material. No conclusions can be made in reference to either Robin Lovitt or Warren Grant as possible co-contributors to this mixture.

No types foreign to the DNA profile of Clayton Dicks were obtained from his fingernail clippings (Item 5). Therefore, no determination can be made as to the possible presence of genetic material from another individual in this sample.

No conclusive results were obtained from the stained area on the jacket (Item 12). Therefore, no determination can be made as to the possible contributor of the genetic material in this sample.

The DNA profile obtained from the stained swab from the cash register (Item 15) is consistent with the DNA profile of Warren Grant and different from the DNA profiles of Clayton Dicks and Robin Lovitt. Therefore, Warren Grant cannot be eliminated as a possible contributor of this genetic material. Both Clayton Dicks and Robin Lovitt are each eliminated as possible contributors of the genetic material detected from this sample.

SEP- 7-99 TUE 10:16 Northern Forensic Lab

Commonwealth of Virginia

Department of Criminal Justice Services  
DIVISION OF FORENSIC SCIENCE

P-05



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**CERTIFICATE OF ANALYSIS**

Arlington County Police Department  
Your Case # 981118012  
PS Lab #M98-9385  
September 7, 1999

The evidence is being retained for personal pickup.

Attest:

I certify that I performed the above analysis or examination as an employee of and in a laboratory operated by the Division of Forensic Science, and that the above is an accurate record of the results of that analysis or examination.

A handwritten signature in black ink, appearing to read "Carol A. Palmer".

Carol A. Palmer  
Forensic Scientist

CAP

Page 4 of 4

4349