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1 table?

2 A Yes, we do.

3 Q Dr. Fisher, on cross you testified that you  
4 did not examine the hair from the Q-14 towel; is  
5 that correct?

6 A That's correct.

7 Q Did you examine a hair from the Q13 towel?

8 A The Q13.1 towel, yes. The Q13 towel, that  
9 hair has been designated Q13.1.

10 Q And that's the hair that you examined?

11 A Yes.

12 MS. HERD: No further questions, Your  
13 Honor.

14 THE COURT: May the witness be excused?

15 MS. HERD: Yes, Your Honor.

16 THE COURT: Ma'am, you maybe excused.  
17 Please don't discuss your testimony with anyone  
18 else.

19 (Witness excused.)

20 Whereupon,

21 FRANK SAMUEL BAECHEL,  
22 having been called as a witness by the Government, after  
23 having been duly sworn by the Deputy Clerk, was examined  
24 and testified as follows:

25 DIRECT EXAMINATION

1 BY MS. HERD:

2 Q Good morning.

3 A Good morning.

4 Q Would please tell us your name and spell it  
5 for us?

6 A My full name is Frank Samuel Baechtel. And  
7 Baechtel is spelled B-A-E-C-H-T-E-L.

8 Q Sir, are you currently employed?

9 A Yes, ma'am.

10 Q Where are you employed?

11 A By the FBI, and in particular the FBI  
12 laboratory.

13 Q How long have you been employed with the  
14 FBI?

15 A This July will start my 23rd year.

16 Q How long have you been employed with the  
17 FBI laboratory?

18 A This July will be 23 years. So I'm in my  
19 22nd now.

20 Q Are you assigned to a certain section of  
21 the FBI laboratory?

22 A Yes. I'm assigned to DNA analysis unit  
23 one, which is responsible for nuclear DNA typing.

24 Q What is your title in DNA analysis one?

25 A I'm a biologist and function as a forensic

1 examiner.

2 Q How long have you been a biologist, slash,  
3 forensic examiner?

4 A For 10 years.

5 Q What are your job duties in that capacity?

6 A It's being my responsibility to manage  
7 certain forensic examinations particular to  
8 biological information evidence, mainly serological  
9 examination, which are tests to determine if  
10 something is blood or semen or saliva and then DNA  
11 profiling on nuclear DNA that might arise from  
12 finding those -- fluids.

13 Q Is your responsibility to conduct nuclear  
14 DNA analysis on cases?

15 A Yes.

16 Q Approximately how many nuclear DNA analyses  
17 have you conducted during the course of your career?

18 A Well, in the 10 years I've been in the case  
19 working unit, I've had 700 cases assigned to me.  
20 And each one of those cases -- if each one had DNA  
21 profiling, I would imagine that most of them have,  
22 there's at least five or so samples per case at a  
23 bare minimum, so we're talking several thousand.

24 And that doesn't include the samples that  
25 I would have dealt with before I joined the case

1 working unit. I was part of the research unit.

2 Q When you were in the research unit did you  
3 conduct DNA analysis as well?

4 A Yes, ma'am.

5 Q Sir, can you describe for us your formal  
6 education?

7 A I have a bachelor's degree in biology,  
8 chemistry, a masters degree and Ph.D in  
9 biochemistry.

10 Q Were you required to undergo specialized  
11 training for your role as a forensic examiner in the  
12 DNA one unit?

13 A Yes, ma'am.

14 Q Can you describe that for us, please?

15 A First of all, I had to learn the  
16 administrative aspects of being an examiner. I had  
17 to learn the serological techniques that were in use  
18 at the time. I wasn't familiar with all of those  
19 when I joined that unit. And also, of course, the  
20 DNA as it was performed in that unit at the time,  
21 although I was part of the team that actually  
22 developed the methods used by our lab. So I had to  
23 make up in that regard.

24 And also since then I have taken  
25 additional coursework in molecular biology,

1 statistics and crime scene search recovering  
2 methods.

3 Q Dr. Baechtel, do you have any publications  
4 in the field of forensic DNA?

5 A Yes, ma'am.

6 Q Approximately how many?

7 A 20 some, 21, 22.

8 Q Have you testified previously as an expert  
9 in the field of nuclear DNA analysis?

10 A Yes.

11 Q Approximately how many times?

12 A This will be number 67.

13 Q Have those testimonies been in federal,  
14 state and local courts?

15 A Yes. Across the U.S.

16 MS. HERD: Your Honor, at this time the  
17 government proffers Dr. Baechtel as an expert in  
18 nuclear DNA analysis.

19 THE COURT: Any objection?

20 MS. FLAUM: No objection.

21 THE COURT: Ladies and gentlemen, the  
22 Court will receive this witness as an expert in  
23 nuclear DNA analysis. And the instruction that I  
24 have previously given you on how to treat the  
25 testimony of an expert applies to this witness as

1 well.

2 BY MS. HERD:

3 Q Were you asked to conduct nuclear DNA  
4 analysis of items of evidence and known samples in  
5 the case presently before the court?

6 A Yes, ma'am.

7 Q Dr. Baechtel, I'm showing you Government's  
8 Exhibit 247. Would you please take a look at that  
9 and tell me if you recognize it?

10 (Government's Exhibit No. 247 was  
11 marked for identification.)

12 THE WITNESS: Well, I recognize the  
13 laboratory number as well as the Q number that's  
14 been assigned to it.

15 BY MS. HERD:

16 Q Was there a Q number assigned to the item  
17 of evidence that you were requested to analyze?

18 A Yes, ma'am.

19 Q What Q number was that.

20 A What was submitted was submitted as Q35 and  
21 then there was also something else.

22 Q I'm showing you Government's Exhibit 27.  
23 Can you take a look at that and tell me what that  
24 is?

25 (Government's Exhibit No. 27 was

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marked for identification.)

THE WITNESS: Yes. This is also of the same lab number and this also says Q35 on it. And this one also says Q35-1.

BY MS. HERD:

Q And what is the difference between Q35-1 and Q35?

A One is -- do you want me to tell them exactly what it is or -- one is a derivative of the other.

MS. HERD: At this time, Your Honor, the government moves Government Exhibit 27 and 247 into evidence.

THE COURT: Any objections?

MS. FLAUM: No objection.

THE COURT: They will be received.

(Government's Exhibit Nos. 27 and 247 were received in evidence.)

BY MS. HERD:

Q Dr. Baechtel, you just testified that one is a derivative of the other. What do you mean by that?

A Well, one of the items is a fingernail, and one of the items is the remainder of DNA that was originally extracted from that fingernail.

1           Q    Had the fingernail previously been tested  
2 by another laboratory?

3           A    Yes, ma'am.

4           Q    Did you conduct DNA testing on the  
5 fingernail itself or on the extract from the  
6 fingernail from another laboratory?

7           A    Well, actually we tried both. We tried to  
8 recover any DNA that might be remaining with the  
9 fingernail itself, and we recovered an undetectable  
10 amount. Which is not surprising since they had  
11 already been tested by another laboratory.

12                    The other item, Q35-1, was the tube which  
13 held any remaining DNA that had been extracted from  
14 that fingernail by the previous laboratory.

15                    I would point out that when that tube of  
16 small amount of material was received in our  
17 laboratory, any liquid in it had evaporated so the  
18 tube was dry. So it was necessary for us to add a  
19 liquid to it to redissolve any DNA that might be  
20 remaining dried on the walls of the tube of the  
21 analysis.

22           Q    Were you able to conduct a DNA analysis of  
23 that remaining extract of the tube?

24           A    Yes, ma'am.

25           Q    What type of DNA analysis did you conduct

1 on that evidentiary item?

2 A It's called short tandem repeat DNA  
3 profiling, which includes a process of amplifying  
4 the small amount of DNA that's present and then  
5 determining what DNA types result from that  
6 amplification.

7 Q Did you conduct a full short tandem repeat  
8 analysis of what the FBI label Q35.1?

9 A What do you mean by --

10 Q Or Q35-1.

11 A 35-1. Yes. We attempted using one of the  
12 two systems that we utilize in the laboratory to  
13 obtain a full profile. However, a full profile was  
14 not obtained.

15 Q What system did you use?

16 A We used one that is called cofiler.

17 Q Sir, did you also conduct STR analysis of  
18 known blood samples in this case?

19 A Yes, ma'am.

20 Q Sir, I'm showing you Government's Exhibits  
21 248 and 8. Can you take a look at these and tell me  
22 if you recognize those?

23 (Government's Exhibits Nos. 248  
24 and 8 were marked for  
25 identification.)

1 THE WITNESS: By the FBI number and the K  
2 number on the envelope, yes, ma'am. I'm familiar  
3 with those numbers. The numbers and the K1.

4 BY MS. HERD:

5 Q What K number is on there?

6 A This is K1, none sample number one.

7 Q Were you asked to conduct nuclear DNA  
8 analysis of a known item called K1?

9 A Yes.

10 Q Does Government's Exhibit 8 and  
11 Government's Exhibit 248 consist of the by-product  
12 of that analysis?

13 A Yes. It says victim known sample  
14 extraction, K1.

15 MS. HERD: Your Honor, at this time the  
16 government moves 248 into evidence.

17 THE COURT: Any objection?

18 MS. FLAUM: No objection.

19 THE COURT: It will be received.

20 (Government's Exhibit No. 248 was  
21 received in evidence.)

22 BY MS. HERD:

23 Q Also, Dr. Baechtel, I'm showing you  
24 Government's Exhibits 249 and 250. Can you take a  
25 look at that and tell me if you recognize that?

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(Government's Exhibits Nos. 249  
and 250 were marked for  
identification.)

THE WITNESS: Yes. Once again, this is  
the appropriate FBI lab number for this case, FBI  
lab number. And This is K29.2, which is the other  
known that I analyzed.

MS. HERD: At this time, the government  
also moves Government's Exhibit 8 into evidence.

THE COURT: Any objection?

MS. FLAUM: No.

THE COURT: It will be received.

(Government's Exhibit No. 8 was  
received into evidence.)

MS. HERD: Also, Your Honor, the  
government moves Government Exhibits 249 and 250  
into evidence.

THE COURT: Any objection to those?

MS. FLAUM: No, Your Honor.

(Government Exhibit Nos. 249 and  
250 were received into evidence.)

BY MS. HERD:

Q Dr. Baechtel, what type of DNA analysis did  
you conduct on the sample that was labeled K1 and  
the sample that was labeled Q29.2.

1           A    The same, STR analysis of what is known  
2 as -- as the cofiler typing system.

3           Q    Is there another system other than cofiler  
4 that is used in STR analysis?

5           A    Yes. We also use another system that is  
6 called profiler plus ID.

7           Q    In this case was there a reason that the  
8 samples were subjected to cofiler?

9           A    Not a deliberate reason, no, ma'am.

10          Q    What do you mean by that?

11          A    Ordinarily, although it is not required by  
12 the protocol, ordinarily the sample is first  
13 amplified at the profiler plus ID typing locations.  
14 And that is because that system has nine different  
15 DNA -- well, actually 10 if you count the gender or  
16 sex typing. It has 10 different locations at which  
17 we can determine what a person's DNA profile is.

18                   In comparison or in contrast, the cofiler  
19 system, while it has a number of new locations, it  
20 has four new locations in which we can type, it also  
21 has three locations which are common also to the  
22 profiler system.

23                   We would ordinarily do the profiler plus  
24 first. And quite frankly, my biologist who works  
25 with me typed this limited sample first using the

1 cofiler system instead of the profiler plus. We are  
2 fortunate, however, in that DNA types in the cofiler  
3 and profiler system are the same at two, three  
4 different locations. The data is usable.

5 Q Was data generated as a result of the  
6 cofiler analysis conducted on the Q35-1 evidence  
7 item and the K1 and K29.2 known samples?

8 A Yes, ma'am.

9 Q Dr. Baechtel, I'm showing you Government  
10 Exhibit 254. Please take a look at this and tell me  
11 if you recognize this?

12 (Government's Exhibit No. 254 was  
13 marked for identification.)

14 THE WITNESS: I do. That's part of my  
15 case file notes.

16 BY MS. HERD:

17 Q Is it a chart?

18 A Yes. It's a chart which on the left side  
19 you will see lists the sample numbers and in  
20 successive columns across it, it lists the different  
21 locations in DNA which we test in this cofiler  
22 system.

23 Q Does this exhibit consist of a blowup of a  
24 chart that you prepared in reference to the items of  
25 evidence you have been testifying about this

1 morning?

2 A Yes, ma'am.

3 Q Would it assist you to use this chart in  
4 explaining your results to the jury?

5 A Certainly.

6 MS. HERD: Your Honor, at this time the  
7 government moves 254 into evidence.

8 THE COURT: Any objection?

9 MS. FLAUM: No objection.

10 THE COURT: Received.

11 (Government's Exhibit No. 254 was  
12 received into evidence.)

13 BY MS. HERD:

14 Q Sir, I would like to show you Government  
15 255. Would you have a look at that and tell me if  
16 you recognize that?

17 (Government's Exhibit No. 255 was  
18 marked for identification.)

19 THE WITNESS: I do.

20 BY MS. HERD:

21 Q What is this?

22 A This is the table that's at the end of my  
23 official report that was, released, which shows the  
24 DNA types at the cofiler locations for the two known  
25 samples, K1 and K29.2.

1 Q Did you prepare this table?

2 A Yes.

3 Q Is this an enlargement of the table?

4 A It is.

5 Q Would it assist you in explaining your  
6 conclusions to the jury to refer to this table?

7 A Yes, ma'am.

8 MS. HERD: Your Honor, at this time the  
9 government moves 255 into evidence.

10 THE COURT: Any objection?

11 MS. FLAUM: No objection.

12 (Government's Exhibit No. 255 was  
13 received into evidence.)

14 MS. HERD: Your Honor, may the witness  
15 come down from the witness stand to explain this to  
16 the jury?

17 THE COURT: Yes.

18 BY MS. HERD:

19 Q Dr. Baechtel, I would like you to look at  
20 Government Exhibit 254. And in using it, explain  
21 your conclusions to the jury.

22 A First of all, I mentioned in this column  
23 are the samples that were subjected to analysis.  
24 For example, here's Q35, which is the redissolved  
25 material from the tube from the analysis conducted

1 by the previous laboratory. That would have been  
2 the DNA that was recovered from that fingernail.

3 QB, that's a control, that's a blank.  
4 That tells us that our chemicals don't have any  
5 contaminants in them.

6 The next sample, K1, is the one known  
7 sample that we have been chatting about.

8 K29.2 is the other known.

9 KB, these are also controls that tell us  
10 the chemicals we use to prepare the known samples.

11 This -- FSB is a positive control. That's  
12 a sample that is amplified and typed through every  
13 case. And, of course, we know what its type is.  
14 And its typed to make certain that the typing  
15 procedure is working properly. And finally, this is  
16 another type of control. This is a negative control  
17 that tells us that -- let's us know if there is any  
18 contamination in the chemicals used for  
19 amplification.

20 Now, each one of these columns represent a  
21 different location in a person's DNA. These  
22 locations are in every one of our DNA. Everyone of  
23 us has some kind of genetic information at these  
24 locations.

25 The first thing I am going to draw your

1 attention to is this column in the middle which is  
2 abbreviated "anla" evidence, anlagen. That's a sex  
3 and gender typing notation. By typing of that  
4 location, we can determine whether the donor of that  
5 sample is a male or a female.

6 If they are a female, only an X DNA type  
7 will appear. If they are a male, an X as well as a  
8 Y will appear.

9 For example, you will notice in the  
10 positive control, who is a male, there is an X and a  
11 Y. You will notice for K1 an X and a Y, that person  
12 is a male. K29.2, also an X, Y is apparent, and  
13 that person is a male.

14 Now, interestingly enough, for Q35 the  
15 extract from the fingernail clipping there is only  
16 an X. That person, the donor of that DNA is a  
17 female.

18 The only other location for this sample  
19 where you see numbers is this first one called  
20 D3S1358. You will see the numbers 15 and 16 in  
21 parentheses. 15 and 16 are the two DNA types that I  
22 saw at that location. And the fact they have  
23 parentheses around them means that the strength or  
24 intensity of that signal was very low. In fact,  
25 it's low that we consider it inconclusive to match

1 someone to that profile.

2 The fact that it's inconclusive because  
3 its intensity is low does not prevent me from  
4 excluding someone as a contributor. So that's real  
5 important. If it is above a certain level and the  
6 DNA types are the same as someone, we can use that  
7 information to say that person is a possible  
8 contributor.

9 On the other hand, even though they are  
10 below that level, I can still use that information  
11 to say that someone could not possibly be a  
12 contributor.

13 And you will notice for the rest of these  
14 locations there are no known numbers. That's  
15 because I got no data. There was nothing apparent.  
16 This sample is as lost through these types through  
17 degradation, in my opinion.

18 Q What do you mean by "degradation"?

19 A DNA is like any -- it's a biological  
20 assessment. It's subject over time to degradation.  
21 The way I like to explain it, DNA as we recover it,  
22 comes in strands. Over time those strands can just  
23 break up. As they began to break up, you begin to  
24 lose the ability to detect some of these locations.

25 It's like when you buy a box of spaghetti

1 and bring it home from the store, they are all nice  
2 long pieces. After you have been in and out of the  
3 cupboard with them a few times, you start to get a  
4 few crumbs in there, don't you. Well, DNA is sort  
5 of like that. After a period of time it will begin  
6 to break down.

7           The reason why we obtain at least some  
8 information here, although it is inconclusive, is  
9 because this location in DNA and the type we get  
10 from anlagen is a very small piece. So in spite of  
11 the fact that the DNA is breaking down, there was  
12 enough left intact that I could get information from  
13 those locations.

14           Q    Dr. Baechtel, based on the type that you  
15 obtained for K29.2 and K1, can you make any  
16 determinations as to whether or not either of these  
17 individuals could be a contributor to the Q35  
18 evidentiary item?

19           A    Neither individual could be. Number one,  
20 because both of these individuals are male, and this  
21 DNA sample is from a female.

22                   And number two, even though these numbers  
23 are inconclusive, they can be used for exclusion.  
24 What I saw were types 15 and 16, this individual was  
25 a 16, 18. The numbers are different that the person

1 can contribute. These numbers for this person are  
2 14 and 16, once again, an exclusion.

3 Q Sir, if an individual were a male, could he  
4 be a contributor of the Q35 evidentiary item?

5 A No, ma'am.

6 Q And sir, assuming the defendant had a DNA  
7 type at this particular location, D3S1358 of 15, 17  
8 would she be included or excluded?

9 A That would be an exclusion based on that  
10 location.

11 Q Is an exclusion at one location all that is  
12 required from an exclusion from the sample?

13 A Yes.

14 Q Sir, also showing you Government Exhibit  
15 255. Can you explain to the jury what this is?

16 A This is actually from my case notes --  
17 this, actually, is from the report where I included  
18 the complete cofiler DNA type from both individuals,  
19 the donors of K1 and K29.2.

20 Q Is the same information depicted on  
21 Government's Exhibit 254?

22 A Yes.

23 Q Is 255 a different format?

24 A Yes. This is in my case note. And from  
25 these I generate a final report. These two columns

1 or rows are similar to those two rows.

2 Q Thank you, sir.

3 Sir, I would also like to show you what is  
4 already in evidence as Government Exhibit 227.  
5 Please take a look at that.

6 I would direct your attention to the  
7 profiler result for specimen No. 213.1. Can you  
8 take a look at that and indicate to me whether the  
9 contributor of K1 and K29.2 in Government Exhibit  
10 255 -- let's start with K1, whether or not K1 would  
11 be included or excluded as a contributor of the  
12 Q13.1 specimen?

13 A Excluded.

14 Q Why is that?

15 A Because K1 is a 16, 18 and this particular  
16 sample shows a 16, 16. And there is no 18 here,  
17 therefore, it's an exclusion.

18 Q Sir, what about with respect to K29.2. Can  
19 you please take a look at the cofiler result you  
20 obtained for that known sample and tell me whether  
21 in comparing it with Q13.1 pubic hair, that is or is  
22 not a possible contributor?

23 A This individual is also excluded because  
24 this individual is a 14, 16, and there is no 14 --  
25 type here.

1 Q Thank you, sir. You may resume the stand.

2 One more question, sir.

3 I'm showing you Government's Exhibit 228  
4 and asking you to look at the known profile in 228  
5 which is already evidence, asking you to look at the  
6 K1 Buckman profile result and compare it to the Q35  
7 sample. Would that person in K1 -- be included or  
8 excluded?

9 A This person would also be excluded. This  
10 person 15, 17, whereas the top here is a 15, 16. So  
11 this second type is wrong, so that person also is  
12 excluded.

13 Q Thank you, sir.

14 Sir, once you were done with the evidence  
15 in this case, to wit, Government's Exhibits 249,  
16 258, 27, 247 and 248, what did you do with these  
17 items?

18 A Those items were returned to our evidence  
19 processing unit, who in turn returns them to the  
20 Metropolitan Police Department.

21 MS. HERD: Thank you. Court's indulgence.

22 I have no further questions.

23 THE COURT: Cross examination.

24 CROSS EXAMINATION

25 BY MS. FLAUM:

1           Q    Good morning, Doctor.  You indicated a  
2 couple times that a previous laboratory had  
3 conducted examinations on the Q35 fingernail prior  
4 to it coming into your custody; correct?

5           A    Yes.

6           Q    And that laboratory was a laboratory called  
7 Lab Core; is that correct?

8           A    That's not the lab I am aware of.  No,  
9 ma'am.

10          Q    Is the laboratory called Cellmark?

11          A    Yes.

12          Q    And the degradation that you said you  
13 observed with respect to the Q35 fingernail, the  
14 fact that some of the DNA was broken into pieces,  
15 that degradation is consistent with another lab  
16 having conducted nuclear DNA testing on that  
17 fingernail; correct?

18          A    Well, just because another lab does an  
19 analysis doesn't automatically mean that there would  
20 be degradation.  However, I believe that examination  
21 by the other lab was done some months ago, and then  
22 the materials were returned to Metropolitan Police.  
23 And over time and evaporation, the degradation, in  
24 my opinion, occurred.

25          Q    Because of the degradation, you were not

1 able to generate a complete DNA profile of the  
2 fingernail, but you were able to observe the genes  
3 at the gender location and also at that one other  
4 location, that D3S1358 location?

5 A That's right.

6 Q So, in other words, while you were not able  
7 to obtain a full 13-point DNA profile, you were able  
8 to observe the genes at one of those 13 points;  
9 correct?

10 A Well, as you said, two of those points both  
11 the gender as well as the STR location, yes.

12 Q And as you have testified, a partial  
13 profile like that can't be used to declare a match  
14 between a piece of evidence and a known contributor  
15 but can be used to concluded that a person could not  
16 have contributed that evidence; correct?

17 A Not quite. Can I clarify?

18 Q Please.

19 A What I said was, first of all, a partial  
20 profile can be used to match to an individual if the  
21 intensity of the DNA signal after the amplification  
22 is high enough at any location that we are going to  
23 say matches.

24 What I was trying to tell you was even  
25 though the intensity of the signal at this one

1 location, D3, is below that level, I can't use that  
2 information to match to someone, but that  
3 information is absolutely valuable for exclusion.  
4 And the person would be excluded because they are  
5 not the same genetic type.

6 Q With respect to the DNA that you were able  
7 to observe at the D3S1358 location, you observed the  
8 DNA types there of 15, 16; is that correct?

9 A Yes, ma'am.

10 Q And are you familiar, Dr. Baechtel, with  
11 the DNA profile of Ida Chase at that particular  
12 location?

13 A No, ma'am, I'm not.

14 Q Let me ask it hypothetically, then. If you  
15 were to learn that Ida Chase's DNA type at the  
16 D3S1358 location was not 15, 16, what would that  
17 mean in terms of whether or not Ida Chase could have  
18 been the contributor of that Q35 fingernail?

19 A Based on what you told me I would exclude  
20 Ida Chase also as the contributor of that DNA.

21 Q You also indicated that you examined the  
22 DNA results with respect to the nuclear DNA typing  
23 of a hair designated Q13-1; correct?

24 A I made that comparison right here with  
25 Ms. Herd.

1 Q With respect to the Q13.1 hair, that's a  
2 full DNA profile; correct?

3 A I recall it was. Yes.

4 Q What you just did for this jury was compare  
5 that DNA profile, Q13.1, that hair to DNA profile  
6 from Julius Adelman and also a DNA profile of a man  
7 by the name of Douglas Murray; correct?

8 A Yes, ma'am.

9 Q What you told us is that the DNA profiles  
10 of that two people, the DNA profile of that hair  
11 were different; correct?

12 A They are.

13 Q The FBI also previously determined the DNA  
14 profile of Charles Chase; correct?

15 A I believe that was also shown for the first  
16 time.

17 Q And just to be clear, the DNA from file of  
18 Charles Chase is also different than the DNA profile  
19 of the Q13.1 hair; correct?

20 A Yes.

21 Q In every day terms it means that neither  
22 Charles Chase nor Julius Adelman nor Douglas Murray  
23 could have contributed that Q 13.1 hair; correct?

24 A That's what it means.

25 Q What we do know, however, about the source

1 of that Q13.1 hair is that that person was a male,  
2 not a female; correct?

3 A I didn't see any gender marker. She only  
4 had the STR types. I don't --

5 Q If the anlagen marker for the Q13.1 hair  
6 indicated that the donor of the Q-3.1 hair was male,  
7 that would mean a man not a woman had to have  
8 contributed that hair; is that correct?

9 A That's correct.

10 Q And my final question, Doctor, is with  
11 respect to the examination that you conducted on  
12 that Q35 fingernail from the decedent's vehicle,  
13 when did you conduct that examination?

14 A That was done in November. I'm sorry it  
15 was done in December.

16 Q December of?

17 A Of this year, 2004.

18 Q When were you requested to do that  
19 examination?

20 A That case came in to us on November the  
21 26th of last year, 2004.

22 MS. FLAUM: Nothing further. Thank you.

23 THE COURT: Redirect?

24 MS. HERD: No questions, Your Honor.

25 THE COURT: May the witness be excused?

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MS. HERD: Yes, Your Honor.

THE COURT: Sir, you maybe excused.  
Please don't discuss your testimony with anyone  
else.

(Witness excused.)

(Whereupon, other proceedings were had but  
are not transcribed herein.)

END OF EXCERPT - CONSTANCE FISHER AND  
FRANK BAECHTEL TESTIMONY ONLY.

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CERTIFICATE OF REPORTER

I, JACQUELINE L. WOOD, an Official Court Reporter for the Superior Court of the District of Columbia, do hereby certify that I reported by machine shorthand, in my official capacity, the proceedings had and testimony adduced, upon the Jury Trial in the case of the UNITED STATES OF AMERICA v. IDA CHASE, Criminal Action No. F-7330-99, in said Court on Monday, January 31, 2005.

I further certify that the foregoing 63 pages constitute the official transcript of said proceedings, as taken from said shorthand notes, my computer realtime display, together with the audiotape recordings of said proceedings.

In witness whereof, I have hereby subscribed my name, this 22nd day of April 2005.

*Jacqueline L. Wood*  
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