



REPLY TO
ATTENTION OF

DEPARTMENT OF DEFENSE
ARMED FORCES INSTITUTE OF PATHOLOGY
WASHINGTON DC 20306-6000

February 2, 2000



AFIP-CME-DNA (40-31a)
1413 Research Blvd., Building 101
Rockville, MD 20850

U.S. Department of Justice
Criminal Division
Brian M. Murtagh
Deputy Chief, Terrorism and Violent Crime Section
601 D. St. N.W., Suite 6500
Washington D.C. 20530

Dear Mr. Murtagh,

Attached is a copy of MSgt. Graham's report on the examinations you requested.

I have also provided a table outlining our divisibility and suitability assessments of the human hair specimens found on the questioned slides. Feel free to contact me at (301)319-0271 if you would like to discuss this in detail.

Sincerely,

Suzanne M. Barritt
Supervisory DNA Analyst
Armed Forces DNA Identification
Laboratory

cc: Philip Cormier, Esq.

AFDIL Specimen No.	Exhibit No.	Hair #	Length	Shaft Diameter	Root?	Follicular Tissue?	Divisible? (Shaft only)	Mt or Nuc Suitability	Comments
46A	E-211(Q125)		71mm	83.3um	yes	yes	yes	mt/STR	Root and attached tissue present
52A	E-4(Q118)		54mm	80um	yes	yes	yes	mt/STR	Possible Blood present
113A	D-229(Q96)		82mm	70um	no	yes	yes	mt	Possible Blood present
48A	E-209(Q88)		141mm	70um	yes	yes	yes	mt/STR	
51A	E-5(Q119)	1	23mm**	73.5um	no	no	no	mt	
		2	17mm	83.3um	no	no	no	mt	
		3	24mm**	78.4um	no	no	no	mt	Possible Blood present
63A	D-236(Q138)								Slide in poor condition-Hairs present(Too difficult to determine if human origin)
75A	E-303(Q79)		63mm	132.3um	yes	yes	yes	mt/STR	
58A	E-52NB(Q87)	1	5mm	73.5um	yes	no	no	not suitable for testing	
		2	43mm	201.9um	yes	no	yes	mt	
112A	D-229(Q96)	1	31mm	63.7um	no	yes	yes	mt	
		2	61mm	63.7um	no	yes	yes	mt	
		3	27mm	73.5um	no	yes	yes	mt	
		4	>145mm	73.5um	yes	yes	yes	mt/STR	
98A	E-3(Q100.1)		>120mm	63.7um	yes	yes	yes	mt/STR	Slide in poor condition Possible blood present
104A	E-301(Q78)	1	61mm	161.7um	yes	yes	yes	mt/STR	
		2	51mm	137.2um	yes	yes	yes	mt/STR	
93A	E-124(Q93)		17mm	73.5um	yes	no	no	mt	
91A	D-237(Q137)		5mm	29.4um	yes	no	no	not suitable for testing	Slide in poor condition Possible blood present on fiber
99A	Q89								No human hairs present-possible blood
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*Hair # as indicated in MSgt. Graham's report.

**Because dividing these specimens would leave a remaining hair fragment of .3 cm and .4 cm, we recommend not dividing them. AFDIL Specimens 55A, 56A, 62A, 94A, 115A did not contain human hair or blood.