EXAMINATION

Portions of the femur (Item DNA-1), the muscle tissue from Baby Doe (Item DNA-2), the muscle tissue from Jane Doe (Item DNA-3), and the tibia (Item DNA-4) were sampled for DNA extraction.

The root end of two of the hairs (Item 26A-1) was sampled for DNA extraction along with a portion of the adjacent shaft as substrate samples.

DNA was extracted from the bloodstain from Scott Peterson (Item 18A) and the oral swabs from Dennis Rocha (Item DR2) and Sharon Rocha (Item SR2).

The DNA extracts were used to analyze the gender marker amelogenin and thirteen short tandem repeat loci. The fourteen loci were amplified using the AmpF/STR Profiler Plus and COffiler PCR Amplification Kits and typed using the ABI Prism 310 Genetic Analyzer, a capillary electrophoresis instrument. Results are reported in the following table.

AmpFISTR Profiler Plus/Cofiler Typing Results

Description Locus	DNA-1 Femur from Baby Doe	Muscle tissue from Baby Doe	DNA-3 Muscle tissue from Jane Doe	DNA-4 Tibia from Jane Doe	Cheek swab from Dennis Rocha	Cheek swab from Sharon Rocha	Bloodstain from Scott Peterson
D381358	16,18	16,18	ND	14,16	15,16	14,14	16,18
VWA	19,19	19,19	16,19	16,19	15.16	18,19	15,19
FGA	19,21	19,21	ND	19,22	22,25	19,31	31,33
Amelogenin	XX	XX	X,X	XiX	X,Y	X.X	X,Y
D881179	13,13	13,13	13,15	13,18	11,15	13.13	10,13
D21811	29,31.2	29,31.3	ND	29,30	29,30	39,39	39,31,3
DISSSI	13,15	13,15	NB	12,15	15,17	13,16	13,16
11558818	12,13	12,13	ND	12,12	11,12	13,13	12,13
D138317	9,10	9,10	ND	10,12	12,13	8,10	9,11
1978820	10,10	10,10	ND	10,10	9,10	10,13	9,10
D168539	12,13	NT	ND	11,12	11,13	9,11	11,13
T1101	6,9	NT	ND	6,9	6,9.3	9,9,3	6,9,3
TPOX	8,9	NT	ND	6,9	8:8	8,8	9,10
CSFIPO	10,10	NT	ND	10,13	10,13	11,13	10,11

NT = Not Tested

ND = No alleles detected

The profile obtained from the tibia of Jane Doe (Item DNA-4) is consistent with coming from a biological child of Dennis Rocha and Sharon Rocha Based on this same profile, the approximated parentage indices are as follows: 11 billion for African Americans, 1.9 billion for Caucasians, and 1.7 billion for Hispanies. In other words, for example, it is 1.9 billion times more likely to have a child with the profile detected in the tibia from Jane Doe if Dennis Rocha and Sharon Rocha are the biological parents than if a random Caucasian couple were the biological parents. A partial female profile consistent with the profile obtained from the tibia was obtained from the muscle tissue (Item DNA-2). No DNA was obtained from the hairs (Item 26A-1).

EXAMINATION:

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The root end of two of the hairs (Item 26A-1) was sampled for DNA extraction along with a portion of the adjacent shaft as substrate samples.

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AmpFISTR Profiler Plus/COfiler Typing Results

ITEM # Description Locus	DNA-1 Femur from Baby Doe	DNA-2 Muscle tissue from Baby Doe	DNA-3 Muscle tissue from Jane Doe	DNA-4 Tibia from Jane Doe	DR2 Cheek swab from Dennis Rocha	SR2 Cheek swab from Sharon Rocha	Bloodstain from Scott Peter on	
	16,18	16.18	ND	14.16	15.16	14,14	16,18	
D3S1358	THE RESERVE AND ADDRESS OF THE PARTY OF THE	19.19	16.19	16,19	15.16	18,19	15,19	
VWA	19,19	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	The second secon	19,22	22,25	19,21	21,22	
FGA	19,21	19,21	ND	AND REAL PROPERTY AND ADDRESS OF THE PARTY AND	X.Y	X,X	X,Y	
Amelogenin	X,Y	X,Y	X,X	X,X	11.15	13.13	10.12	

D8S1179	12,13	12,13	13,15	13,15	111.15	12.10	/4hg/2
D21S11	29,31.2	29,31.2	ND		11,15	13,13	10.12
D18S51	13,15	13,15	ND	29,30	29,30	29,29	29,31.2
D5S818	12,13	12,13		12,15	15,17	12,16	13,16
D13S317			ND	12,12	11,12	12,12	12,13
	9,10	9,10	ND	10,12	12,13	8,10	9,11
D7S820	10,10	10,10	ND	10,10	9.10	10,13	9.10
D16S539	12,13	NT	ND	11,12	11,12	9,11	11,13
TH01	6,9	NT	ND	6,9	6,9.3	9,9.3	6,9.3
TPOX	8,9	NT	ND	8,8	8,8	8,8	
CSF1PO	10,10	NT	ND	10,13	10,13	11,13	9,10

NT = Not Tested

ND = No alleles detected

The profile obtained from the tibia of Jane Doe (Item DNA-4) is consistent with coming from a biological child of Dennis Rocha and Sharon Rocha. Based on this same profile, the approximated parentage indices are as follows: 11 billion for African Americans, 1.9 billion for Caucasians, and 1.7 billion for Hispanics. In other words, for example, it is 1.9 billion times more likely to have a child with the profile detected in the tibia from Jane Doe if Dennis Rocha and Sharon Rocha are the biological parents than if a random Caucasian couple were the biological parents. A partial female profile consistent with the profile obtained from the tibia was obtained from the muscle tissue (Item DNA-2). No DNA was obtained from the hairs (Item 26A-1).

EXAMINATION:

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AmpFISTR Profiler Plus/COfiler Typing Results

ITEM # Description Locus	DNA-1 Femur from Baby Doe	DNA-2 Muscle tissue from Baby Doe	DNA-3 Muscle tissue from Jane Doe	DNA-4 Tibia from Jane Doe	DR2 Cheek swab from Dennis Rocha	SR2 Cheek swab from Sharon Rocha	18A Bloodstain from Scott Peterson
D3S1358	16,18	16,18	ND	14,16	15,16	14,14	16,18
VWA	19,19	19,19	16,19	16,19	15,16	18,19	15,19
FGA	19,21	19,21	ND	19,22	22,25	19,21	21,22
Amelogenin	X,Y	X,Y	X,X	X,X	X,Y	X,X	X,Y
D8S1179	12,13	12,13	13,15	13,15	11,15	13,13	10,12
D21S11	29,31.2	29,31.2	ND	29,30	29,30	29,29	29,31.2
D18S51	13,15	13,15	ND	12,15	15,17	12,16	13,16
D5S818	12,13	12,13	ND	12,12	11,12	12,12	12,13
D13S317	9,10	9,10	ND	10,12	12,13	8,10	9,11
D7S820	10,10	10,10	ND	10,10	9,10	10,13	9,10
D16S539	12,13	NT	ND	11,12	11,12	9,11	11,13
TH01	6,9	NT	ND	6,9	6,9.3	9,9.3	6,9.3
TPOX	8,9	NT	ND	8,8	8,8	8,8	9,10
CSF1PO	10,10	NT	ND	10.13	10,13	11,13	10,11

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AmpFISTR Profiler Plus/COfiler Typing Results

ITEM # Description	DNA-1 Femur from	DNA-2 Muscle tissue	DNA-3 Muscle tissue	DNA-4 Tibia from	DR2 Cheek swab	SR2 Cheek swab	18A Bloodstain
Locus	Baby Doe	from Baby Doe	from Jane Doe	Jane Doe	from Dennis Rocha	from Sharon Rocha	from Scott Peterson
D3S1358	16,18	16,18	ND	14,16	15,16	14,14	16,18
VWA	19,19	19,19	16,19	16,19	15,16	18,19	15,19
FGA	19,21	19,21	ND	19,22	22,25	19,21	21,22
Amelogenin	X,Y	X,Y	X,X	X,X	X,Y	X,X	X,Y
D8S1179	12,13	12,13	13,15	13,15	11,15	13,13	10,12
D21S11	29,31.2	29,31.2	ND	29,30	29,30	29,29	29,31.2
D18S51	13,15	13,15	ND	12,15	15,17	12,16	13,16
D5S818	12,13	12,13	ND	12,12	11,12	12,12	12,13
D13S317	9,10	9,10	ND	10,12	12,13	8,10	9,11
D7S820	10,10	10,10	ND	10,10	9,10	10,13	9,10
D16S539	12,13	NT	ND	11,12	11,12	9,11	11,13
TH01	6,9	NT	ND	6,9	6,9.3	9,9.3	6,9.3
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CSF1PO	10,10	NT	ND	10,13	10,13	11,13	10,11

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