



DNA-Blood Test No. 15-583 Summary Report

This proficiency test was sent to 135 participants. Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 115 participants (85% response rate) and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>4</u>
<u>Table 1: STR Results</u>	<u>5</u>
<u>Table 2: YSTR Results</u>	<u>51</u>
<u>Table 3: Additional DNA Results</u>	<u>66</u>
<u>Table 4: DNA Interpretations</u>	<u>67</u>
<u>Table 5: Additional Comments</u>	<u>71</u>
<u>Appendix: Data Sheet</u>	<u>73</u>

This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains one on clean, grey material with yellow dots (Item 3) and one on clean, blue and white patterned material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: All stains were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 1 (75 μ l) and Item 4 (50 μ l) were created using blood collected from the same female, Item 2 (75 μ l) was created using blood collected from a male donor and Item 3 (50 μ l) was created using blood collected from a male donor different from the donor used for Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on April 13, 2015 following receipt of predistribution results.

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were placed in a pre-labeled sample pack envelope and then into a larger pre-labeled envelope which was heat sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent results and associations.

Amelogenin and STR Results

Results compiled by predistribution laboratories and a consensus of at least 10 participants.

Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
1	16,17	19,21	11,12	16,16	10,12	9,11
	14,15	13,14	19,20	12,13	11,12	17,19
	13,15	30,31	15,16	X,X	10,12	26,26
	9,13	8,12	14,14.2	6,8	8,8	17,19
2	10,13	19,23	10,11	16,17	12,13	8,9
	10,14	14,14	17,19	8,12	9,13	12,15
	15,15.2	30,32.2	15,16	X,Y	11,12	22,24
	9,12	12,13	23.2,28.2	9.3,9.3	8,11	14,15
3	11,17	19,20	10,14	16,18	9,12	10,13
	14,16	13,14	17.3,21	11,13	11,14	12,13
	15,15	31.2,32.2	11,16	X,Y	10,11	21,25
	12,13	11,17	16,29.2	6,6	8,8	15,16
4	16,17	19,21	11,12	16,16	10,12	9,11
	14,15	13,14	19,20	12,13	11,12	17,19
	13,15	30,31	15,16	X,X	10,12	26,26
	9,13	8,12	14,14.2	6,8	8,8	17,19

YSTR Results

Results compiled from predistribution laboratories and a consensus of at least 10 participants.

Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
2	15	11,14	13	30	25	11	11	13
	14	11	13	20	16	16	*	*
	*	*	*	23	*	12	*	
3	14	11,14	13	29	25	10	13	13
	14	12	12	18	16	17	*	*
	*	*	*	23	*	11	*	

* Results were not received from a minimum of 10 participants for the YSTR locus indicated.

Summary Comments

The DNA-Blood test is part of the DNA Sample Specific Series; where participants are advised of the body fluid(s) that make up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains where screening has already been completed. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 and Item 4 were created using blood collected from the same female donor, Item 2 was created using blood collected from a male donor and Item 3 was created using blood collected from a male donor different from the donor used for Item 2. (See Manufacturer's Information for preparation details)

Of the 115 responding participants, 81 reported DNA interpretations. All reporting participants excluded the victim (Item 1) and the suspect (Item 2) as possible contributors to the Item 3 stain. For the Item 4 stain, all reporting participants included the victim (Item 1) and excluded the suspect (Item 2) as possible contributors.

One participant reported allelic results that differed from the consensus/predistribution results. This participant was missing an allele at a single locus for Item 2.

STR Results

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
Item 1 - STR Results							
22V9CD	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
27Q6WX	<i>Identifiler® Direct</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
2CZD92	<i>Identifiler® Direct</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
2XEZQY	<i>Identifiler® Plus</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
3E2L6X	<i>PowerPlex® Fusion</i>						
	1	16,17	19,21	11,12	16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X	10,12	26
		9,13	8,12		6,8	8	17,19
427RAF	<i>Identifiler® Direct</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26
					6,8	8	17,19
432CZL	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
46KNEH	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

4JMXJR	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	1	16,17 14,15 13,15	19,21 13,14 30,31	11,12 19,20 15,16 14,14.2	16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
4R4RF9	<i>GlobalFiler</i>						
	1	16,17 14,15 13,15	19,21 13,14 30,31	11,12 19,20 15,16 14,14.2	16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
673TVV	<i>Identifiler®</i>						
	1	14,15 13,15	19,21 30,31		16 12,13 X 6,8	10,12 11,12 10,12 8	9,11 17,19 26 17,19
68TWN3	<i>Identifiler® ID Plus</i>						
	1	14,15 13,15	19,21 30,31		16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
6BU6N7	<i>Identifiler® Plus</i>						
	1	NE 14,15 13,15 NE	19,21 NE 30,31 NE	NE NE NE NE	16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
72YGCZ	<i>Identifiler® Plus</i>						
	1	14,15 13,15	19,21 30,31		16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
7ADBJP	<i>Identifiler® Plus</i>						
	1	14,15 13,15	19,21 30,31		16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
7BNAH6	<i>Identifiler® Plus</i>						
	1	14,15 13,15	19,21 30,31		16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19
7W4RMF	<i>Identifiler®</i>						
	1	14,15 13,15	19,21 30,31		16,16 12,13 X,X 6,8	10,12 11,12 10,12 8,8	9,11 17,19 26,26 17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

83TM7Y	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
8C2WXY	<i>Identifiler® Identifiler Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
8DUWTN	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
				14,14.2	6,8	8,8	17,19
8LKHYM	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
				14,14.2	6,8	8,8	17,19
8MWE4R	<i>PowerPlex® 16</i>						
	1				16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X	10,12	26
		9,13	8,12		6,8	8	17,19
8MX6G2	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
8TKZBD	<i>Profiler® Plus</i>						
	1				16,16	10,12	9,11
		14,15			12,13		17,19
			30,31		X,X		26,26
							17,19
8UEK3J	<i>Identifiler® Direct</i>						
	1	-	19,21	-	16	10,12	9,11
		14,15	-	-	12,13	11,12	17,19
		13,15	30,31	-	X,X	10,12	26
		-	-	-	6,8	8	17,19
8UEL66	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

9GN4VX	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
9WJVA8	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
AK2BNP	<i>PowerPlex® 16</i>						
	1				16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X	10,12	26
		9,13	8,12		6,8	8	17,19
AW9LTQ	<i>PowerPlex®, PowerPlex® 16 HS</i>						
	1				16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X	10,12	26
		9,13	8,12		6,8	8	17,19
AXTZLA	<i>PowerPlex® 21</i>						
	1	16,17	19,21		16,16	10,12	9,11
		14,15		19,20	12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19
BETA3L	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
C7VY8G	<i>GlobalFiler Express</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
				14,14.2	6,8	8,8	17,19
CCY6MJ	<i>Identifiler® Direct, PowerPlex® ESX 17</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
				14,14.2	6,8	8,8	17,19
CGXGMP	<i>PowerPlex® FUSION SYSTEM</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

CRUMCH	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
D4JJDF	<i>GlobalFiler Express</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
				14,14.2	6,8	8,8	17,19
D4JL3K	<i>Identifiler®</i>						
	1	N/A	19,21	N/A	16,16	10,12	9,11
		14,15	N/A	N/A	12,13	11,12	17,19
		13,15	30,31	N/A	X,X	10,12	26,26
		N/A	N/A	N/A	6,8	8,8	17,19
DDRBP	<i>2 home made multiplexes</i>						
	1	16,17		11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
			30,31	15,16	X,X		26,26
				14,14.2	6,8	8,8	17,19
DPKWMD	<i>Identifiler®</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
DQBZFK	<i>PowerPlex® 16</i>						
	1				16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X	10,12	26
		9,13	8,12		6,8	8	17,19
DW43L7	<i>Profiler® Plus</i>						
	1				16,16	10,12	9,11
		14,15			12,13		17,19
			30,31		X,X		26,26
							17,19
EH3QP8	<i>Identifiler® Direct</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
EK7GWL	<i>PowerPlex® 16 HS</i>						
	1				16,16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

EWX9E6	<i>Identifiler®</i>	1	19,21		16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X	10,12	26
					6,8	8	17,19	
FK2ENT	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
FXMVB7	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
FZC6MR	<i>PowerPlex® 18D</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
			9,13	8,12		6,8	8,8	17,19
GYZPQ7	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
H22BTW	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
H3RGC8	<i>Identifiler® Identifiler Direct</i>	1	19,21	-	16	10,12	9,11	
			14,15	-	12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26
			-	-		6,8	8	17,19
H7V6WP	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
HAUL4R	<i>GlobalFiler</i>	1	16,17	19,21	11,12	16,16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X,X	10,12	26,26
					14,14.2	6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

HRBU38	<i>Identifiler® Plus</i>	1	19,21		16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X	10,12	26
					6,8	8	17,19	
JARBQL	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
JVA9MB	<i>GlobalFiler Express</i>	1	16,17	19,21	11,12	16,16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X,X	10,12	26,26
					14,14.2	6,8	8,8	17,19
K34XGK	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
L6N2R4	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
LCAWUT	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
LEVWRM	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
MDE3PR	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	
MEP2LM	<i>Identifiler®</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

MM23YB	<i>Identifiler®</i>	1	19,21		16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X	10,12	26	
					6,8	8	17,19	
NF3XMK	<i>PowerPlex® 18D</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X,X	10,12	26,26	
			9,13	8,12	6,8	8,8	17,19	
NGT2FR	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X,X	10,12	26,26	
					6,8	8,8	17,19	
NJH9ZP	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X,X	10,12	26,26	
					6,8	8,8	17,19	
NJWU86	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X,X	10,12	26,26	
					6,8	8,8	17,19	
NML4JR	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X,X	10,12	26,26	
					6,8	8,8	17,19	
NPM4JP	<i>Identifiler® Plus</i>	1	19,21		16,16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X,X	10,12	26,26	
					6,8	8,8	17,19	
NT8YHB	<i>Identifiler® Direct</i>	1	19,21		16	10,12	9,11	
			14,15		12,13	11,12	17,19	
			13,15	30,31	X	10,12	26	
					6,8	8	17,19	
P39VNP	<i>PowerPlex®</i>	1	16,17	19,21	16,16	10,12	9,11	
			14,15		19,20	12,13	11,12	17,19
			13,15	30,31	X,X	10,12	26,26	
			9,13	8,12	6,8	8,8	17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

P3PZDB	<i>Globalfiler</i>	1	16,17	19,21	11,12	16,16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X,X	10,12	26,26
					14,14.2	6,8	8,8	17,19
PXXTV3	<i>Identifiler®</i>	1		19,21		16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X	10,12	26
						6,8	8	17,19
PY66EP	<i>Identifiler® Plus</i>	1		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19
Q386BF	<i>Identifiler®</i>	1		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19
QA6XLU	<i>Identifiler® Plus</i>	1		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19
QPZHZX	<i>PowerPlex® Fusion</i>	1	16,17	19,21	11,12	16,16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X,X	10,12	26,26
			9,13	8,12		6,8	8,8	17,19
RUPEZ9	<i>PowerPlex® PowerPlex® 16 HS</i>	1				16	10,12	9,11
			14,15			12,13	11,12	17,19
				30,31		X	10,12	26
			9,13	8,12		6,8	8	17,19
RWTCBZ	<i>Globalfiler</i>	1	16,17	19,21	11,12	16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X	10,12	26
					14,14.2	6,8	8	17,19
TJMGUJ	<i>Identifiler® Plus</i>	1		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

TR26TR	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
TTTDK9	<i>Identifiler® Direct</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
TVJHDF	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
U22AXD	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
U8M6YH	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
UAD9RP	<i>COfiler® and Profiler Plus®</i>						
	1				16,16	10,12	9,11
		14,15			12,13		17,19
			30,31		X,X		26,26
							17,19
UB9UJU	<i>Identifiler® Direct</i>						
	1	-	19,21	-	16	10,12	9,11
		14,15	-	-	12,13	11,12	17,19
		13,15	30,31	-	X,X	10,12	26
		-	-	-	6,8	8	17,19
UE87GF	<i>PowerPlex® 18D</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19
UU3M7E	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

V9H6HE	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
VCYDZM	<i>Identifiler® Plus</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
VD9K3F	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
VGRE4L	<i>Identifiler® Plus</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
VJVAMP	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
VKPVDV	<i>Identifiler® Plus</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
W8ZFNZ	<i>Identifiler® Direct Amp</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26
					6,8	8	17,19
W9U49G	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
WGLG8G	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

WQRLXC	PowerPlex® PowerPlex® 18D						
	1	14,15	19,21		16,16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
		9,13	8,12		X,X	10,12	26,26
					6,8	8,8	17,19
X32GW9	Identifiler® Plus						
	1	14,15	19,21	-	16	10,12	9,11
		13,15	30,31	-	12,13	11,12	17,19
		-	-	-	X	10,12	26
					6,8	8	17,19
X3YUDA	PowerPlex® 18D						
	1	14,15	19,21		16,16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
		9,13	8,12		X,X	10,12	26,26
					6,8	8,8	17,19
X6PX7G	Identifiler® Plus						
	1	14,15	19,21		16,16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
					X,X	10,12	26,26
					6,8	8,8	17,19
XGHEVG	Identifiler® Plus						
	1	14,15	19,21		16,16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
					X,X	10,12	26,26
					6,8	8,8	17,19
XGK2EG	Identifiler® Plus						
	1	14,15	19,21		16,16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
					X,X	10,12	26,26
					6,8	8,8	17,19
XTULU3	PowerPlex® 16 HS						
	1	14,15			16	10,12	9,11
			30,31		12,13	11,12	17,19
		9,13	8,12		X	10,12	26
					6,8	8	17,19
XZAMTC	Identifiler®						
	1	14,15	19,21		16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
					X	10,12	26
					6,8	8	17,19
Y2N8J2	Identifiler®						
	1	14,15	19,21		16,16	10,12	9,11
		13,15	30,31		12,13	11,12	17,19
					X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1 - STR Results

Y7GDUX	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
YD38A4	<i>PowerPlex® 16 HS</i>						
	1				16,16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19
Z6F3BY	<i>Identifiler®</i>						
	1		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19
ZGTZKA	<i>GlobalFiler</i>						
	1	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
				14,(14-15)	6,8	8,8	17,19
ZLNP89	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
ZTP7CM	<i>Identifiler®</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
ZXH9G8	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
ZZ8CBE	<i>Identifiler® Plus</i>						
	1		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

22V9CD	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
27Q6WX	<i>Identifiler® Direct</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
2CZD92	<i>Identifiler® Direct</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
2XEZQY	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
3E2L6X	<i>PowerPlex® Fusion</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
		9,12	12,13		9.3	8,11	14,15
427RAF	<i>Identifiler® Direct</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
432CZL	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
46KNEH	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
4JMXJR	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

4R4RF9	<i>GlobalFiler</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
			23,2,28.2	9,3,9.3	8,11	14,15	
673TVV	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3	8,11	14,15	
68TWN3	<i>Identifiler® ID Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
6BU6N7	<i>Identifiler® Plus</i>						
	2	NE	19,23	NE	16,17	12,13	8,9
		10,14	NE	NE	8,12	9,13	12,15
		15,15.2	30,32.2	NE	X,Y	11,12	22,24
	NE	NE	NE	9,3,9.3	8,11	14,15	
72YGCZ	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
7ADBJP	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
7BNAH6	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
7W4RMF	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
83TM7Y	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

8C2WXY	<i>Identifiler® Identifiler Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
8DUWTN	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3,9.3	8,11	14,15
8LKHYM	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3,9.3	8,11	14,15
8MWE4R	<i>PowerPlex® 16</i>						
	2				16,17	12,13	8,9
		10,14			8,12	9,13	12,15
			30,32.2		X,Y	11,12	22,24
		9,12	12,13		9.3	8,11	14,15
8MX6G2	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
8TKZBD	<i>Profiler® Plus</i>						
	2				16,17	12,13	8,9
		10,14			8,12		12,15
			30,32.2		X,Y		22,24
							14,15
8UEK3J	<i>Identifiler® Direct</i>						
	2	-	19,23	-	16,17	12,13	8,9
		10,14	-	-	8,12	9,13	12,15
		15,15.2	30,32.2	-	X,Y	11,12	22,24
		-	-	-	9.3	8,11	14,15
8UEL66	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
9GN4VX	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

9WJVA8	<i>Identifiler® Plus</i>	2	19,23		16,17	12,13	8,9	
			10,14		8,12	9,13	12,15	
			15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15	
AK2BNP	<i>PowerPlex® 16</i>	2			16,17	12,13	8,9	
			10,14		8,12	9,13	12,15	
				30,32.2		X,Y	11,12	22,24
			9,12	12,13		9.3	8,11	14,15
AW9LTQ	<i>PowerPlex®, PowerPlex® 16 HS</i>	2			16,17	12,13	8,9	
			10,14		8,12	9,13	12,15	
				30,32.2		X,Y	11,12	22,24
			9,12	12,13		9.3	8,11	14,15
AXTZLA	<i>PowerPlex® 21</i>	2	10,13	19,23		16,17	12,13	8,9
			10,14		17,19	8,12	9,13	12,15
			15,15.2	30,32.2		X,Y	11,12	22,24
			9,12	12,13		9.3,9.3	8,11	14,15
BETA3L	<i>Identifiler®</i>	2		19,23		16,17	12,13	8,9
			10,14			8,12	9,13	12,15
			15,15.2	30,32.2		X,Y	11,12	22,24
						9.3,9.3	8,11	14,15
C7VY8G	<i>GlobalFiler Express</i>	2	10,13	19,23	10,11	16,17	12,13	8,9
			10,14	14,14	17,19	8,12	9,13	12,15
			15,15.2	30,32.2	15,16	X,Y	11,12	22,24
					23.2,28.2	9.3,9.3	8,11	14,15
CCY6MJ	<i>Identifiler® Direct, PowerPlex® ESX 17</i>	2	10,13	19,23	10,11	16,17	12,13	8,9
			10,14	14,14	17,19	8,12	9,13	12,15
			15,15.2	30,32.2	15,16	X,Y	11,12	22,24
					23.2,28.2	9.3,9.3	8,11	14,15
CGXGMP	<i>PowerPlex® FUSION SYSTEM</i>	2	10,13	19,23	10,11	16,17	12,13	8,9
			10,14	14,14	17,19	8,12	9,13	12,15
			15,15.2	30,32.2	15,16	X,Y	11,12	22,24
			9,12	12,13		9.3,9.3	8,11	14,15
CRUMCH	<i>Identifiler® Plus</i>	2		19,23		16,17	12,13	8,9
			10,14			8,12	9,13	12,15
			15,15.2	30,32.2		X,Y	11,12	22,24
						9.3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

D4JJDF	<i>GlobalFiler Express</i>	2	10,13	19,23	10,11	16,17	12,13	8,9
			10,14	14,14	17,19	8,12	9,13	12,15
			15,15.2	30,32.2	15,16	X,Y	11,12	22,24
					23,2,28.2	9,3,9.3	8,11	14,15
D4JL3K	<i>Identifiler®</i>	2	N/A	19,23	N/A	16,17	12,13	8,9
			10,14	N/A	N/A	8,12	9,13	12,15
			15,15.2	30,32.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	9,3,9.3	8,11	14,15
DDRBP	<i>2 home made multiplexes</i>	2	10,13		10,11	16,17	12,13	8,9
			10,14	14,14	17,19	8,12	9,13	12,15
				30,32.2	15,16	X,Y		22,24
					23,2,28.2	9,3,9.3	8,11	14,15
DPKWMD	<i>Identifiler®</i>	2		19,23		16,17	12,13	8,9
			10,14			8,12	9,13	12,15
			15,15.2	30,32.2		X,Y	11,12	22,24
						9.3	8,11	14,15
DQBZFK	<i>PowerPlex® 16</i>	2				16,17	12,13	8,9
			10,14			8,12	9,13	12,15
				30,32.2		X,Y	11,12	22,24
			9,12	12,13		9.3	8,11	14,15
DW43L7	<i>Profiler® Plus</i>	2				16,17	12,13	8,9
			10,14			8,12		12,15
				30,32.2		X,Y		22,24
								14,15
EH3QP8	<i>Identifiler® Direct</i>	2		19,23		16,17	12,13	8,9
			10,14			8,12	9,13	12,15
			15,15.2	30,32.2		X,Y	11,12	22,24
						9,3,9.3	8,11	14,15
EK7GWL	<i>PowerPlex® 16 HS</i>	2				16,17	12,13	8,9
			10,14			8,12	9,13	12,15
				30,32.2		X,Y	11,12	22,24
			9,12	12,13		9,3,9.3	8,11	14,15
EWX9E6	<i>Identifiler®</i>	2		19,23		16,17	12,13	8,9
			10,14			8,12	9,13	12,15
			15,15.2	30,32.2		X,Y	11,12	22,24
						9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

FK2ENT	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
FXMVB7	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
FZC6MR	<i>PowerPlex® 18D</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
		9,12	12,13		9.3,9.3	8,11	14,15
GYZPQ7	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
H22BTW	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
H3RGC8	<i>Identifiler® Identifiler Direct</i>						
	2	-	19,23	-	16,17	12,13	8,9
		10,14	-	-	8,12	9,13	12,15
		15,15.2	30,32.2	-	X,Y	11,12	22,24
		-	-	-	9.3	8,11	14,15
H7V6WP	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
HAUL4R	<i>GlobalFiler</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3,9.3	8,11	14,15
HRBU38	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

JARBQL	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
JVA9MB	<i>GlobalFiler Express</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3,9.3	8,11	14,15
K34XGK	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
L6N2R4	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
LCAWUT	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
LEVWRM	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
MDE3PR	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
MEP2LM	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
MM23YB	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
Item 2 - STR Results							
NF3XMK	PowerPlex® 18D						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
		9,12	12,13		9.3,9.3	8,11	14,15
NGT2FR	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
NJH9ZP	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
NJWU86	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
NML4JR	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
NPM4JP	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
NT8YHB	Identifiler® Direct						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
P39VNP	PowerPlex®						
	2	10,13	19,23		16,17	12,13	8,9
		10,14		17,19	8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
		9,12	12,13		9.3,9.3	8,11	14,15
P3PZDB	Globalfiler						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

PXXTV3	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
PY66EP	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
Q386BF	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
QA6XLU	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
QPZHZX	<i>PowerPlex® Fusion</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
		9,12	12,13		9.3,9.3	8,8	14,15
RUPEZ9	<i>PowerPlex® PowerPlex® 16 HS</i>						
	2				16,17	12,13	8,9
		10,14			8,12	9,13	12,15
			30,32.2		X,Y	11,12	22,24
		9,12	12,13		9.3	8,11	14,15
RWTCBZ	<i>Globalfiler</i>						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23.2,28.2	9.3	8,11	14,15
TJMGUJ	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
TR26TR	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

TTTDK9	<i>Identifiler® Direct</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
TVJHDF	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
U22AXD	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
U8M6YH	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
UAD9RP	<i>COfiler® and Profiler Plus®</i>						
	2				16,17	12,13	8,9
		10,14			8,12		12,15
			30,32.2		X,Y		22,24
						14,15	
UB9UJU	<i>Identifiler® Direct</i>						
	2	-	19,23	-	16,17	12,13	8,9
		10,14	-	-	8,12	9,13	12,15
		15,15.2	30,32.2	-	X,Y	11,12	22,24
		-	-	-	9,3	8,11	14,15
UE87GF	<i>PowerPlex® 18D</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
		9,12	12,13		9,3,9.3	8,11	14,15
UU3M7E	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	
V9H6HE	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
				9,3,9.3	8,11	14,15	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

VCYDZM	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
VD9K3F	<i>Identifiler®</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
VGRE4L	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
VJVAMP	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
VKPVDV	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
W8ZFNZ	<i>Identifiler® Direct Amp</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3	8,11	14,15
W9U49G	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
WGLG8G	<i>Identifiler® Plus</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9.3,9.3	8,11	14,15
WQRLXC	<i>PowerPlex® PowerPlex® 18D</i>						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
		9,12	12,13		9.3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

X32GW9	<i>Identifiler® Plus</i>							
	2	-	19,23	-	16,17	12,13	8,9	
		10,14	-	-	8,12	9,13	12,15	
		15,15.2	30,32.2	-	X,Y	11,12	22,24	
		-	-	-	9.3	8,11	14,15	
X3YUDA	<i>PowerPlex® 18D</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
		9,12	12,13		9.3,9.3	8,11	14,15	
X6PX7G	<i>Identifiler® Plus</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
					9.3,9.3	8,11	14,15	
XGHEVG	<i>Identifiler® Plus</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
					9.3,9.3	8,11	14,15	
XGK2EG	<i>Identifiler® Plus</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
					9.3,9.3	8,11	14,15	
XTULU3	<i>PowerPlex® 16 HS</i>							
	2				16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
			30,32.2		X,Y	11,12	22,24	
		9,12	12,13		9.3	8,11	14,15	
XZAMTC	<i>Identifiler®</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
					9.3	8,11	14,15	
Y2N8J2	<i>Identifiler®</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
					9.3,9.3	8,11	14,15	
Y7GDUX	<i>Identifiler®</i>							
	2		19,23		16,17	12,13	8,9	
		10,14			8,12	9,13	12,15	
		15,15.2	30,32.2		X,Y	11,12	22,24	
					9.3,9.3	8,11	14,15	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2 - STR Results

YD38A4	PowerPlex® 16 HS						
	2				16,17	12,13	8,9
		10,14			8,12	9,13	12,15
			30,32.2		X,Y	11,12	22,24
		9,12	12,13		9,3,9.3	8,11	14,15
Z6F3BY	Identifiler®						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9,3	8,11	14,15
ZGTZKA	GlobalFiler						
	2	10,13	19,23	10,11	16,17	12,13	8,9
		10,14	14,14	17,19	8,12	9,13	12,15
		15,15.2	30,32.2	15,16	X,Y	11,12	22,24
				23,2,28.2	9,3,9.3	8,11	14,15
ZLNP89	Identifiler®						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9,3,9.3	8,11	14,15
ZTP7CM	Identifiler®						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9,3,9.3	8,11	14,15
ZXH9G8	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9,3,9.3	8,11	14,15
ZZ8CBE	Identifiler® Plus						
	2		19,23		16,17	12,13	8,9
		10,14			8,12	9,13	12,15
		15,15.2	30,32.2		X,Y	11,12	22,24
					9,3,9.3	8,11	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

22V9CD	<i>Identifiler® Plus, MiniFiler</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
2CZD92	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
2XEZQY	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15	31.2,32.2		X,Y	10,11	21,25
					6	8	15,16
3E2L6X	<i>PowerPlex® Fusion</i>						
	3	11,17	19,20	10,14	16,18	9,12	10,13
		14,16	13,14	17.3,21	11,13	11,14	12,13
		15	31.2,32.2	11,16	X,Y	10,11	21,25
		12,13	11,17		6	8	15,16
427RAF	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15	31.2,32.2		X,Y	10,11	21,25
					6	8	15,16
46KNEH	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
4JMXJR	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
4R4RF9	<i>GlobalFiler</i>						
	3	11,17	19,20	10,14	16,18	9,12	10,13
		14,16	13,14	17.3,21	11,13	11,14	12,13
		15,15	31.2,32.2	11,16	X,Y	10,11	21,25
				16,29.2	6,6	8,8	15,16
673TVV	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15	31.2,32.2		X,Y	10,11	21,25
					6	8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

68TWN3	<i>Identifiler® ID Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
6BU6N7	<i>Identifiler® Plus</i>						
	3	NE	19,20	NE	16,18	9,12	10,13
		14,16	NE	NE	11,13	11,14	12,13
		15,15	31.2,32.2	NE	X,Y	10,11	21,25
		NE	NE	NE	6,6	8,8	15,16
72YGCZ	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
7ADBJP	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
7BNAH6	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
83TM7Y	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
8C2WXY	<i>Identifiler® Identifiler Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
8DUWTN	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
8LKHYM	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
Item 3 - STR Results							
8MX6G2	Identifiler®						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
8UEK3J	Identifiler® Plus						
	3	-	19,20	-	16,18	9,12	10,13
		14,16	-	-	11,13	11,14	12,13
		15	31.2,32.2	-	X,Y	10,11	21,25
		-	-	-	6	8	15,16
8UEL66	Identifiler® Plus						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
9GN4VX	Identifiler® Plus						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
9WJVA8	Identifiler® Plus						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
AW9LTQ	PowerPlex®, PowerPlex® 16 HS						
	3				16,18	9,12	10,13
		14,16			11,13	11,14	12,13
			31.2,32.2		X,Y	10,11	21,25
		12,13	11,17		6	8	15,16
AXTZLA	PowerPlex® 21						
	3	11,17	19,20		16,18	9,12	10,13
		14,16		17.3,21	11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
		12,13	11,17		6,6	8,8	15,16
BETA3L	Identifiler®						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
CCY6MJ	Identifiler® Plus						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

CGXGMP	PowerPlex® FUSION SYSTEM						
	3	11,17	19,20	10,14	16,18	9,12	10,13
		14,16	13,14	17.3,21	11,13	11,14	12,13
		15,15	31.2,32.2	11,16	X,Y	10,11	21,25
		12,13	11,17		6,6	8,8	15,16
CRUMCH	Identifiler® Plus						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
D4JL3K	Identifiler®						
	3	N/A	19,20	N/A	16,18	9,12	10,13
		14,16	N/A	N/A	11,13	11,14	12,13
		15,15	31.2,32.2	N/A	X,Y	10,11	21,25
		N/A	N/A	N/A	6,6	8,8	15,16
DDRBKP	2 home made multiplexes						
	3	11,17		10,14	16,18	9,12	10,13
		14,16	13,14	17.3,21	11,13	11,14	12,13
			31.2,32.2	11,16	X,Y		21,25
				16,29.2	6,6	8,8	15,16
DW43L7	Profiler® Plus						
	3				16,18	9,12	10,13
		14,16			11,13		12,13
			31.2,32.2		X,Y		21,25
							15,16
EH3QP8	Identifiler® Plus						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
EK7GWL	PowerPlex® 16 HS						
	3				16,18	9,12	10,13
		14,16			11,13	11,14	12,13
			31.2,32.2		X,Y	10,11	21,25
		12,13	11,17		6,6	8,8	15,16
EWX9E6	Identifiler®						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15	31.2,32.2		X,Y	10,11	21,25
					6	8	15,16
FK2ENT	Identifiler®						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

FXMVB7	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
GYZPQ7	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
H22BTW	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
H3RGC8	<i>Identifiler® Identifiler Plus</i>						
	3	-	19,20	-	16,18	9,12	10,13
		14,16	-	-	11,13	11,14	12,13
		15	31.2,32.2	-	X,Y	10,11	21,25
			-	6	8	15,16	
H7V6WP	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
HAUL4R	<i>GlobalFiler</i>						
	3	11,17	19,20	10,14	16,18	9,12	10,13
		14,16	13,14	17.3,21	11,13	11,14	12,13
		15,15	31.2,32.2	11,16	X,Y	10,11	21,25
			16,29.2	6,6	8,8	15,16	
JARBQL	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
K34XGK	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
LCAWUT	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

LEVWRM	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
MDE3PR	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
MEP2LM	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
NGT2FR	<i>Identifiler® Plus, MiniFiler</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
NJH9ZP	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
NJWU86	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
NML4JR	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
NPM4JP	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
P39VNP	<i>PowerPlex®</i>						
	3	11,17	19,20		16,18	9,12	10,13
		14,16		17.3,21	11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
		12,13	11,17		6,6	8,8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

P3PZDB	<i>Globalfiler</i>	3	11,17	19,20	10,14	16,18	9,12	10,13
			14,16	13,14	17.3,21	11,13	11,14	12,13
			15,15	31.2,32.2	11,16	X,Y	10,11	21,25
					16,29.2	6,6	8,8	15,16
PY66EP	<i>Identifiler® Plus</i>	3		19,20		16,18	9,12	10,13
			14,16			11,13	11,14	12,13
			15,15	31.2,32.2		X,Y	10,11	21,25
						6,6	8,8	15,16
Q386BF	<i>Identifiler®</i>	3		19,20		16,18	9,12	10,13
			14,16			11,13	11,14	12,13
			15,15	31.2,32.2		X,Y	10,11	21,25
						6,6	8,8	15,16
QA6XLU	<i>Identifiler® Plus</i>	3		19,20		16,18	9,12	10,13
			14,16			11,13	11,14	12,13
			15,15	31.2,32.2		X,Y	10,11	21,25
						6,6	8,8	15,16
QPZHZX	<i>PowerPlex® Fusion</i>	3	11,17	19,20	10,14	16,18	9,12	10,13
			14,16	13,14	17.3,21	11,13	11,14	12,13
			15,15	31.2,32.2	11,16	X,Y	10,11	21,25
			12,13	11,17		6,6	8,8	15,16
RUPEZ9	<i>PowerPlex® PowerPlex® 16 HS</i>	3				16,18	9,12	10,13
			14,16			11,13	11,14	12,13
				31.2,32.2		X,Y	10,11	21,25
			12,13	11,17		6	8	15,16
RWTCBZ	<i>Globalfiler</i>	3	11,17	19,20	10,14	16,18	9,12	10,13
			14,16	13,14	17.3,21	11,13	11,14	12,13
			15	31.2,32.2	11,16	X,Y	10,11	21,25
					16,29.2	6	8	15,16
TJMGUJ	<i>Identifiler® Plus, MiniFiler</i>	3		19,20		16,18	9,12	10,13
			14,16			11,13	11,14	12,13
			15,15	31.2,32.2		X,Y	10,11	21,25
						6,6	8,8	15,16
TR26TR	<i>Identifiler® Plus</i>	3		19,20		16,18	9,12	10,13
			14,16			11,13	11,14	12,13
			15,15	31.2,32.2		X,Y	10,11	21,25
						6,6	8,8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

TTTDK9	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
TVJHDF	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
U22AXD	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
U8M6YH	<i>Identifiler® Plus, MiniFiler</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
UAD9RP	<i>COfiler® and Profiler Plus®</i>						
	3				16,18	9,12	10,13
		14,16			11,13		12,13
			31.2,32.2		X,Y		21,25
						15,16	
UB9UJU	<i>Identifiler® Plus</i>						
	3	-	19,20	-	16,18	9,12	10,13
		14,16	-	-	11,13	11,14	12,13
		15	31.2,32.2	-	X,Y	10,11	21,25
	-	-	-	6	8	15,16	
UU3M7E	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
V9H6HE	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	
VD9K3F	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
				6,6	8,8	15,16	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

VJVAMP	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
W9U49G	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
WGLG8G	<i>Identifiler® Plus, MiniFiler</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
X32GW9	<i>Identifiler® Plus</i>						
	3	-	19,20	-	16,18	9,12	10,13
		14,16	-	-	11,13	11,14	12,13
		15	31.2,32.2	-	X,Y	10,11	21,25
		-	-	-	6	8	15,16
X6PX7G	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
XGHEVG	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
XGK2EG	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
XTULU3	<i>PowerPlex® 16 HS</i>						
	3				16,18	9,12	10,13
		14,16			11,13	11,14	12,13
			31.2,32.2		X,Y	10,11	21,25
		12,13	11,17		6	8	15,16
XZAMTC	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15	31.2,32.2		X,Y	10,11	21,25
					6	8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 3 - STR Results

Y7GDUX	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
YD38A4	<i>PowerPlex® 16 HS</i>						
	3				16,18	9,12	10,13
		14,16			11,13	11,14	12,13
			31.2,32.2		X,Y	10,11	21,25
		12,13	11,17		6,6	8,8	15,16
ZGTZKA	<i>GlobalFiler</i>						
	3	11,17	19,20	10,14	16,18	9,12	10,13
		14,16	13,14	(17-18),21	11,13	11,14	12,13
		15,15	31.2,32.2	11,16	X,Y	10,11	21,25
				16,29.2	6,6	8,8	15,16
ZLNP89	<i>Identifiler®</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
ZXH9G8	<i>Identifiler® Plus, MiniFiler</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16
ZZ8CBE	<i>Identifiler® Plus</i>						
	3		19,20		16,18	9,12	10,13
		14,16			11,13	11,14	12,13
		15,15	31.2,32.2		X,Y	10,11	21,25
					6,6	8,8	15,16

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

22V9CD	<i>Identifiler® Plus, MiniFiler</i>							
	4		19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
				6,8	8,8	17,19		
2CZD92	<i>Identifiler®</i>							
	4		19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
				6,8	8,8	17,19		
2XEZQY	<i>Identifiler® Plus</i>							
	4		19,21		16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X	10,12	26	
				6,8	8	17,19		
3E2L6X	<i>PowerPlex® Fusion</i>							
	4	16,17	19,21	11,12	16	10,12	9,11	
		14,15	13,14	19,20	12,13	11,12	17,19	
		13,15	30,31	15,16	X	10,12	26	
	9,13	8,12		6,8	8	17,19		
427RAF	<i>Identifiler® Plus</i>							
	4		19,21		16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26	
				6,8	8	17,19		
46KNEH	<i>Identifiler®</i>							
	4		19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
				6,8	8,8	17,19		
4JMXJR	<i>Identifiler® Plus</i>							
	4		19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
				6,8	8,8	17,19		
4R4RF9	<i>GlobalFiler</i>							
	4	16,17	19,21	11,12	16,16	10,12	9,11	
		14,15	13,14	19,20	12,13	11,12	17,19	
		13,15	30,31	15,16	X,X	10,12	26,26	
			14,14.2	6,8	8,8	17,19		
673TVV	<i>Identifiler®</i>							
	4		19,21		16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X	10,12	26	
				6,8	8	17,19		

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

68TWN3	<i>Identifiler® ID Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
6BU6N7	<i>Identifiler® Plus</i>						
	4	NE	19,21	NE	16,16	10,12	9,11
		14,15	NE	NE	12,13	11,12	17,19
		13,15	30,31	NE	X,X	10,12	26,26
		NE	NE	NE	6,8	8,8	17,19
72YGCZ	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
7ADBJP	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
7BNAH6	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
83TM7Y	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
8C2WXY	<i>Identifiler® Identifiler Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
8DUWTN	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
8LKHYM	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

8MX6G2	Identifiler®						
	4						
<hr/>							
8TKZBD	Profiler® Plus						
	4				16,16	10,12	9,11
		14,15			12,13		17,19
			30,31		X,X		26,26
							17,19
<hr/>							
8UEK3J	Identifiler® Plus						
	4	-	19,21	-	16	10,12	9,11
		14,15	-	-	12,13	11,12	17,19
		13,15	30,31	-	X,X	10,12	26
		-	-	-	6,8	8	17,19
<hr/>							
8UEL66	Identifiler® Plus						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
<hr/>							
9GN4VX	Identifiler® Plus						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
<hr/>							
9WJVA8	Identifiler® Plus						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
<hr/>							
AW9LTQ	PowerPlex®, PowerPlex® 16 HS						
	4				16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X	10,12	26
		9,13	8,12		6,8	8	17,19
<hr/>							
AXTZLA	PowerPlex® 21						
	4	16,17	19,21		16,16	10,12	9,11
		14,15		19,20	12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19
<hr/>							
BETA3L	Identifiler®						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

CCY6MJ	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
CGXGMP	<i>PowerPlex® FUSION SYSTEM</i>						
	4	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
		9,13	8,12		6,8	8,8	17,19
CRUMCH	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
D4JL3K	<i>Identifiler®</i>						
	4	N/A	19,21	N/A	16,16	10,12	9,11
		14,15	N/A	N/A	12,13	11,12	17,19
		13,15	30,31	N/A	X,X	10,12	26,26
		N/A	N/A	N/A	6,8	8,8	17,19
DDRBP	<i>2 home made multiplexes</i>						
	4	16,17		11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
			30,31	15,16	X,X		26,26
				14,14.2	6,8	8,8	17,19
DW43L7	<i>Profiler® Plus</i>						
	4				16,16	10,12	9,11
		14,15			12,13		17,19
			30,31		X,X		26,26
						17,19	
EH3QP8	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
EK7GWL	<i>PowerPlex® 16 HS</i>						
	4				16,16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X,X	10,12	26,26
	9,13	8,12		6,8	8,8	17,19	
EWX9E6	<i>Identifiler®</i>						
	4		19,21		16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X	10,12	26
					6,8	8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

FK2ENT	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
FXMVB7	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
GYZPQ7	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
H22BTW	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
H3RGC8	<i>Identifiler® Identifiler Plus</i>						
	4	-	19,21	-	16	10,12	9,11
		14,15	-	-	12,13	11,12	17,19
		13,15	30,31	-	X,X	10,12	26
		-	-	6,8	8	17,19	
H7V6WP	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
HAUL4R	<i>GlobalFiler</i>						
	4	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19
		13,15	30,31	15,16	X,X	10,12	26,26
			14,14.2	6,8	8,8	17,19	
JARBQL	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
K34XGK	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

LCAWUT	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
LEVWRM	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
MDE3PR	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
MEP2LM	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
NGT2FR	<i>Identifiler® Plus, MiniFiler</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
NJH9ZP	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
NJWU86	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
NML4JR	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	
NPM4JP	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
				6,8	8,8	17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

P39VNP	<i>PowerPlex®</i>	4	16,17	19,21		16,16	10,12	9,11
			14,15		19,20	12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
			9,13	8,12		6,8	8,8	17,19
P3PZDB	<i>Globalfiler</i>	4	16,17	19,21	11,12	16,16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X,X	10,12	26,26
					14,14.2	6,8	8,8	17,19
PY66EP	<i>Identifiler® Plus</i>	4		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19
Q386BF	<i>Identifiler®</i>	4		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19
QA6XLU	<i>Identifiler® Plus</i>	4		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19
QPZHZX	<i>PowerPlex® Fusion</i>	4	16,17	19,21	11,12	16,16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X,X	10,12	26,26
			9,13	8,12		6,8	8,8	17,19
RUPEZ9	<i>PowerPlex® PowerPlex® 16 HS</i>	4				16	10,12	9,11
			14,15			12,13	11,12	17,19
				30,31		X	10,12	26
			9,13	8,12		6,8	8	17,19
RWTCBZ	<i>Globalfiler</i>	4	16,17	19,21	11,12	16	10,12	9,11
			14,15	13,14	19,20	12,13	11,12	17,19
			13,15	30,31	15,16	X	10,12	26
					14,14.2	6,8	8	17,19
TJMGUJ	<i>Identifiler® Plus, MiniFiler</i>	4		19,21		16,16	10,12	9,11
			14,15			12,13	11,12	17,19
			13,15	30,31		X,X	10,12	26,26
						6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

TR26TR	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
TTTDK9	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
TVJHDF	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
U22AXD	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
U8M6YH	<i>Identifiler® Plus, MiniFiler</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
UAD9RP	<i>COfiler® and Profiler Plus®</i>						
	4				16,16	10,12	9,11
		14,15			12,13		17,19
			30,31		X,X		26,26
							17,19
UB9UJU	<i>Identifiler® Plus</i>						
	4	-	19,21	-	16	10,12	9,11
		14,15	-	-	12,13	11,12	17,19
		13,15	30,31	-	X,X	10,12	26
		-	-	-	6,8	8	17,19
UU3M7E	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
V9H6HE	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

VD9K3F	<i>Identifiler®</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
VJVAMP	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
W9U49G	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
WGLG8G	<i>Identifiler® Plus, MiniFiler</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
X32GW9	<i>Identifiler® Plus</i>						
	4	-	19,21	-	16	10,12	9,11
		14,15	-	-	12,13	11,12	17,19
		13,15	30,31	-	X	10,12	26
		-	-	-	6,8	8	17,19
X6PX7G	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
XGHEVG	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
XGK2EG	<i>Identifiler® Plus</i>						
	4		19,21		16,16	10,12	9,11
		14,15			12,13	11,12	17,19
		13,15	30,31		X,X	10,12	26,26
					6,8	8,8	17,19
XTULU3	<i>PowerPlex® 16 HS</i>						
	4				16	10,12	9,11
		14,15			12,13	11,12	17,19
			30,31		X	10,12	26
		9,13	8,12		6,8	8	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4 - STR Results

XZAMTC	<i>Identifiler®</i>	4	19,21		16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X	10,12	26	
					6,8	8	17,19	
Y7GDUX	<i>Identifiler®</i>	4	19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
					6,8	8,8	17,19	
YD38A4	<i>PowerPlex® 16 HS</i>	4			16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
			30,31		X,X	10,12	26,26	
		9,13	8,12		6,8	8,8	17,19	
ZGTZKA	<i>GlobalFiler</i>	4	16,17	19,21	11,12	16,16	10,12	9,11
		14,15	13,14	19,20	12,13	11,12	17,19	
		13,15	30,31	15,16	X,X	10,12	26,26	
				14,(14-15)	6,8	8,8	17,19	
ZLNP89	<i>Identifiler®</i>	4	19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
					6,8	8,8	17,19	
ZXH9G8	<i>Identifiler® Plus, MiniFiler</i>	4	19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
					6,8	8,8	17,19	
ZZ8CBE	<i>Identifiler® Plus</i>	4	19,21		16,16	10,12	9,11	
		14,15			12,13	11,12	17,19	
		13,15	30,31		X,X	10,12	26,26	
					6,8	8,8	17,19	

YSTR Results

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 1 - YSTR Results

6BU6N7	Yfiler® 1	NE	NE	NE	NE	NE	NE	NE	NE
		NE	NE	NE	NE	NE	NE	NE	NE
		NE	NE	NE	NE	NE	NE	NE	NE
8UEK3J	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
FK2ENT	Yfiler® 1								
H3RGC8	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
H7V6WP	Yfiler® 1								
TVJHDF	Yfiler® 1								
V9H6HE	Yfiler® 1								
ZLNP89	Yfiler® 1								

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel		
Item 2 - YSTR Results										
22V9CD	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			
2CZD92	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			
3E2L6X	2						11			
427RAF	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			
4R4RF9	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			
6BU6N7	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16	NE	NE	
		NE	NE	NE	23	NE	12	NE		
7BNAH6	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			
8UEK3J	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16	-	-	
		-	-	-	23	-	12	-		
8UEL66	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			
9WJVA8	Yfiler® 2	15	11,14	13	30	25	11	11	13	
		14	11	13	20	16	16			
					23		12			

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 2 - YSTR Results										
AW9LTQ	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
BETA3L	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
C7VY8G	GlobalFiler Express	2						11		
									2	
CGXGMP	PowerPlex® Y 23 SYSTEM	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16	23	12
			12	19	18	23	10	12		
D4JJDF		2						11		
									2	
D4JL3K	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
FK2ENT	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
H22BTW	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
H3RGC8	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16	-	-
			-	-	-	23	-	12	-	
H7V6WP	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

HAUL4R	2						11		
								2	
JARBQL	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		
JVA9MB	GlobalFiler Express								
	2						11		
								2	
K34XGK	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		
LCAWUT	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		
MDE3PR	PowerPlex® Y								
	2	15	11,14	13	30	25	11	11	13
		14	11	13					
NGT2FR	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		
NJH9ZP	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		
NML4JR	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		
NPM4JP	Yfiler®								
	2	15	11,14	13	30	25	11	11	13
		14	11	13	20	16	16		
					23		12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

P3PZDB	<i>Yfiler® , Globalfiler - Yindel</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12	2	
PY66EP	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
Q386BF	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
QA6XLU	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
QPZHZX	2							11		
RUPEZ9	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
RWTCBZ	2							11		
									2	
TJMGUJ	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
TR26TR	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
TTTDK9	<i>Yfiler®</i>	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 2 - YSTR Results										
TVJHDF	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
U22AXD	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
U8M6YH	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
UB9UJU	Yfiler® AmpFISTR YFiler Kit	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16	-	-
			-	-	-	23	-	12	-	-
UU3M7E	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
V9H6HE	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
VD9K3F	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
VJVAMP	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
W9U49G	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
WGLG8G	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel	

Item 2 - YSTR Results

X6PX7G	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
XGHEVG	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
XGK2EG	PowerPlex® Y	2	15	11,14	13	30	25	11	11	13
			14	11	13					
XTULU3	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
Y7GDUX	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
ZGTZKA	Yfiler® Plus	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16	23	12
				19	18	23		12	2	
ZLNP89	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
ZXH9G8	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		
ZZ8CBE	Yfiler®	2	15	11,14	13	30	25	11	11	13
			14	11	13	20	16	16		
						23		12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 3 - YSTR Results										
22V9CD	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
3E2L6X	3						10			
427RAF	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
4R4RF9	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
6BU6N7	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17	NE	NE	
		NE	NE	NE	23	NE	11	NE		
7BNAH6	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
8UEK3J	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17	-	-	
		-	-	-	23	-	11	-	-	
8UEL66	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
9WJVA8	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
AW9LTQ	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 3 - YSTR Results										
BETA3L	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
CGXGMP	PowerPlex® Y 23 SYSTEM	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17	22	12
			13	17	16	23	10	11		
D4JL3K	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	11	N/A	
FK2ENT	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
H22BTW	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
H3RGC8	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17	-	-
			-	-	-	23	-	11	-	-
H7V6WP	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
HAUL4R	3							10		
									2	
JARBQL	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
K34XGK	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 3 - YSTR Results										
LCAWUT	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
MDE3PR	PowerPlex® Y	3	14	11,14	13	29	25	10	13	13
			14	12	12					
NGT2FR	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
NJH9ZP	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
NML4JR	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
NPM4JP	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
P3PZDB	Yfiler® , Globalfiler - Yindel	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11	2	
PY66EP	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
Q386BF	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
QA6XLU	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel	

Item 3 - YSTR Results

QPZHZX	3						10		
RUPEZ9	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
RWTCBZ	3						10		
									2
TJMGUJ	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
TR26TR	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
TTTDK9	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
TVJHDF	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
U22AXD	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
U8M6YH	Yfiler®	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	
					23			11	
UB9UJU	Yfiler® AmpFiSTR YFiler Kit	3	14	11,14	13	29	25	10	13
			14	12	12	18	16	17	-
			-	-	-	23	-	11	-

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 3 - YSTR Results										
UU3M7E	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
V9H6HE	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
VD9K3F	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
VJVAMP	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
W9U49G	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
WGLG8G	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
X6PX7G	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
XGHEVG	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			
XGK2EG	PowerPlex® Y 3	14	11,14	13	29	25	10	13	13	
		14	12	12						
XTULU3	Yfiler® 3	14	11,14	13	29	25	10	13	13	
		14	12	12	18	16	17			
					23		11			

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 3 - YSTR Results										
Y7GDUX	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
ZGTZKA	Yfiler® Plus	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17	22	12
				17	16	23		11	2	
ZLNP89	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
ZXH9G8	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		
ZZ8CBE	Yfiler®	3	14	11,14	13	29	25	10	13	13
			14	12	12	18	16	17		
						23		11		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4 - YSTR Results

6BU6N7	Yfiler® 4	NE	NE	NE	NE	NE	NE	NE	NE
		NE	NE	NE	NE	NE	NE	NE	NE
		NE	NE	NE	NE	NE	NE	NE	NE
8UEK3J	Yfiler® 4	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
9WJVA8	Yfiler® 4								
FK2ENT	Yfiler® 4								
H22BTW	Yfiler® 4	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
H3RGC8	Yfiler® 4	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
H7V6WP	Yfiler® 4								
TVJHDF	Yfiler® 4								
UU3M7E	Yfiler® 4	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
V9H6HE	Yfiler® 4								

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4 - YSTR Results

VJVAMP	Yfiler® 4	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
ZGTZKA	Yfiler® Plus 4	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
ZLNP89	Yfiler® 4								

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 4
CD-4	DDRBKP	5,10	10,10	5,5	5,10
D6S1043	AXTZLA	11,18	12,17	12,18	11,18
	P39VNP	11,18	12,17	12,18	11,18
DYF387S1 A/B	ZGTZKA		36,39	37,38	-
DYS391	CGXGMP		11		
DYS449	ZGTZKA		31	31	-
DYS460	ZGTZKA		12	12	-
DYS518	ZGTZKA		38	37	-
DYS627	ZGTZKA		16	25	-

DNA Interpretations

Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
22V9CD	No	Yes	No	No	8C2WXY	No	Yes	No	No
27Q6WX	No Interpretations Reported, DNA Analyzed for Database purposes only.				8DUWTN	No	Yes	No	No
2CZD92	No	Yes	No	No	8LKHYM	No	Yes	No	No
2XEZQY	No	Yes	No	No	8MWE4R	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3E2L6X	No	Yes	No	No	8MX6G2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
427RAF	No	Yes	No	No	8TKZBD		Yes		No
432CZL	No Interpretations Reported, DNA Analyzed for Database purposes only.				8UEK3J	No	Yes	No	No
46KNEH	No	Yes	No	No	8UEL66	No	Yes	No	No
4JMXJR	No	Yes	No	No	9GN4VX	No	Yes	No	No
4R4RF9	No	Yes	No	No	9WJVA8	No	Yes	No	No
673TVV	No	Yes	No	No	AK2BNP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
68TWN3	No	Yes	No	No	AW9LTQ	No	Yes	No	No
6BU6N7	No	Yes	No	No	AXTZLA	No	Yes	No	No
72YGCZ	No	Yes	No	No	BETA3L	No	Yes	No	No
7ADBJP	No	Yes	No	No	C7VY8G	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7BNAH6	No	Yes	No	No	CCY6MJ	No	Yes	No	No
7W4RMF	No Interpretations Reported, DNA Analyzed for Database purposes only.				CGXGMP	No	Yes	No	No
83TM7Y	No	Yes	No	No	CRUMCH	No	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
D4JJDF	No Interpretations Reported, DNA Analyzed for Database purposes only.				JVA9MB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D4JL3K	No	Yes	No	No	K34XGK	No	Yes	No	No
DDRBP	No	Yes	No	No	L6N2R4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DPKWMD	No Interpretations Reported, DNA Analyzed for Database purposes only.				LCAWUT	No	Yes	No	No
DQBZFK	No Interpretations Reported, DNA Analyzed for Database purposes only.				LEVWRM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DW43L7	No	Yes	No	No	MDE3PR	No	Yes	No	No
EH3QP8	No	Yes	No	No	MEP2LM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EK7GWL	No	Yes	No	No	MM23YB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EWX9E6	No	Yes	No	No	NF3XMK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FK2ENT	No Interpretations Reported, DNA Analyzed for Database purposes only.				NGT2FR	No	Yes	No	No
FXMVB7	No	Yes	No	No	NJH9ZP	No	Yes	No	No
FZC6MR	No Interpretations Reported, DNA Analyzed for Database purposes only.				NJWU86	No	Yes	No	No
GYZPQ7	No	Yes	No	No	NML4JR	No	Yes	No	No
H22BTW	No	Yes	No	No	NPM4JP	No	Yes	No	No
H3RGC8	No	Yes	No	No	NT8YHB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
H7V6WP	No	Yes	No	No	P39VNP	No	Yes	No	No
HAUL4R	No	Yes	No	No	P3PZDB	No	Yes	No	No
HRBU38	No Interpretations Reported, DNA Analyzed for Database purposes only.				PXTV3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JARBQL	No	Yes	No	No	PY66EP	No	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
Q386BF	No	Yes	No	No	VJVAMP	No	Yes	No	No
QA6XLU	No	Yes	No	No	VKPVDV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QPZHZX	No	Yes	No	No	W8ZFNZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RUPEZ9	No	Yes	No	No	W9U49G	No	Yes	No	No
RWTCBZ	No	Yes	No	No	WGLG8G	No	Yes	No	No
TJMGUJ	No	Yes	No	No	WQRLXC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TR26TR	No	Yes	No	No	X32GW9	No	Yes	No	No
TTTDK9	No	Yes	No	No	X3YUDA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TVJHDF	No Interpretations Reported, DNA Analyzed for Database purposes only.				X6PX7G	No	Yes	No	No
U22AXD	No	Yes	No	No	XGHEVG	No	Yes	No	No
U8M6YH	No	Yes	No	No	XGK2EG	No	Yes	No	No
UAD9RP	No	Yes	No	No	XTULU3	No	Yes	No	No
UB9UJU	No	Yes	No	No	XZAMTC	No	Yes	No	No
UE87GF	No Interpretations Reported, DNA Analyzed for Database purposes only.				Y2N8J2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UU3M7E	No	Yes	No	No	Y7GDUX	No	Yes	No	No
V9H6HE	No Interpretations Reported, DNA Analyzed for Database purposes only.				YD38A4	No	Yes	No	No
VCYDZM	No Interpretations Reported, DNA Analyzed for Database purposes only.				Z6F3BY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VD9K3F	No	Yes	No	No	ZGTZKA	No	Yes	No	No
VGRE4L	No Interpretations Reported, DNA Analyzed for Database purposes only.				ZLNP89	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
ZTP7CM	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZXH9G8	No	Yes	No	No					
ZZ8CBE	No	Yes	No	No					

Response Summary			Participants reporting DNA results: 115			
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>						
		Victim (Item 1)		Suspect (Item 2)		
		Item 3	Item 4	Item 3	Item 4	
Responses	Yes	0	81	0	0	
	No	80	0	80	81	
	Inc	0	0	0	0	

Participants not reporting Interpretation results: 34

Additional Comments

TABLE 5

WebCode	Additional Comments
2CZD92	DNA interpretations of Y-STR results not reported; sample analyzed for database purposes only.
427RAF	a) In-situ extraction method was used to extract DNA from Item 1 and Item 2. b) Prepfiler Express Kit using Automate DNA extraction system was used to extract DNA from Item 3 and 4. c) DNA quantitation was carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. d) Amplification of STR (Short Tandem Repeat) genetic loci was carried out using the AmpFISTR Identifiler Direct and Plus PCR Amplification kit. e) Amplification of Y-STR (Y-Short Tandem Repeat) genetic loci was carried out using the AmpFISTR Y-filer PCR Amplification kit. f) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzer with GeneMapper ID Software. g) Reagent blank, positive control and negative control were carried out through out the testing.
432CZL	Database laboratory; therefore only Items 1 and 2 were examined.
6BU6N7	NE= Not Examined
7W4RMF	Database laboratory; therefore, only Items 1 and 2 were examined.
8MX6G2	A reportable result was not obtained for Item 4, following multiple attempts to develop a profile suitable for a CODIS upload. This test was assigned to a DNA Investigative Support Database section member. The standard practice for this section is to obtain a complete CODIS core loci DNA profile. In events where full CODIS core loci profiles are not obtained, the submission that failed is marked as Quantity Not Sufficient and a resubmission of a DNA sample is requested. Partial results are not reported or added to CODIS, hence they will not be reported back to the proficiency test provider.
8TKZBD	DNA Analysis on item (3) not completed on date of submission of results.
8UEK3J	1. Item 1 and Item 2 were extracted in situ and proceed with amplification using AmpFISTR Identifiler Direct Kit. 2. Item 3 and Item 4 were extracted using DNA IQ Kit and run with Tecan Freedom EVO 150. 3. Item 3 and Item 4 were quantify using ABI Quantifiler Human Kit and run with Real Time PCR 7500. 4. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 5. Item 1 to Item 4 were amplified using Y-Filer Kit. 6. Item 1 to Item 4 were run electrophoresis using Genetic Analyzer 3130xl. 7. Reagent Blank, positive control and negative control were carried out together along the processes.
AW9LTQ	Item 4 was not processed with Y-filer as no male DNA was detected during quantification with Plexor HY
D4JJDF	Samples 3 and 4 were not analyzed.
H22BTW	NR = No Reaction
HRBU38	All samples extracted with Chargeswitch.
L6N2R4	Database laboratory, therefore only Items 1 and 2 were examined.
RUPEZ9	Y-STR analysis was not performed on Item 1 and Item 4 as there was no male DNA detected in these samples during quantitation.
UB9UJU	1) Item 1 and Item 2 were amplified using the AmpFISTR Identifiler Direct Kit. 2) Item 3 and Item 4 were extracted using the Chelex extraction method and quantified using the Quantifiler Human DNA Quantification Kit and carried out by 7500 Real Time PCR (RT PCR). 3) Amplification for Item 3 and Item 4 was done using the AmpFISTR Identifiler Plus Kit. 4) Y-STR for Item 2 and Item 3 was carried out using the Y-Filer PCR Kit. 5) Electrophoresis[sic] was carried out using the 3130xl and 3500xl Genetic Analyzer. 6) Reagent Blank, Positive Control and Negative Control were carried out along with the analysis.
UU3M7E	NR = No Reaction
VCYDZM	All samples extracted with Charge Switch.

TABLE 5

WebCode	Additional Comments
VD9K3F	The DNA profile of blood stain on item 3 refer to a male different from the DNA profile of suspect (item 2). The Blood stain on item 4 refer to the victim (item 1). There are no relative between the suspect (item 2) and the male on item 3 according to y chromosome analysis.
VGRE4L	All samples extracted with ChargeSwitch.
VJVAMP	NR = No reaction
VKPVDV	All samples extracted with Chargeswitch.
XTULU3	Y filer was not utilized for Item 4 or Item 1 as there was no male quant value for these items
ZGTZKA	1. Participant's note concerning boxes (either with "-" or empty): box filled with a single dash "-" indicates that the related marker gave no allele for that item, empty box indicates that no experiment was performed on that marker 2. (a-b) denotes the presence of a mid-allele between the alleles "a" and "b"
ZTP7CM	Database laboratory; therefore only Items 1 and 2 were examined.

Appendix: Data Sheet

Collaborative Testing Services - Forensic Testing Program

Test No. 15-583: DNA-Blood

DATA MUST BE RECEIVED BY June 15, 2015 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB and ANAB. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB and/or ANAB. (Accreditation Release section on the last page must be completed and submitted.)
- This participant's data is NOT intended for submission to ASCLD/LAB or ANAB.

Scenario:

A female legal representative was assaulted from behind while in the common area of a corrections institution. Correctional officers were quickly on the scene and collected a "shank", a piece of glass wrapped with fabric as a handle, and questioned the inmates within the common area. One of the inmates questioned had visible stains on his shirt around the right wrist. Police submitted for analysis cuttings of stains, positively identified through screening as blood, from the weapon's handle (Item 3) and the suspect's shirt sleeve (Item 4) as well as known blood samples from the victim (Item 1) and the suspect (Item 2).

Items Submitted (Sample Pack S3):

Item 1: Known blood from victim

Item 2: Known blood from suspect

Item 3: Questioned blood stain from weapon handle fabric (gray with yellow dots)

Item 4: Questioned blood stain from suspect shirt (blue and white patterned)

Online Data Entry

Visit www.cts-portal.com to enter and/or upload your proficiency test results online. If you have any questions please do not hesitate to contact CTS.

Please return all pages of this data sheet.

Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

Use the instructions below to complete the following DNA Analysis sections of this data sheet.

- * Report alleles in numerical order, separated by a comma.
- * Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X).

Additional DNA Results:

Please use the section below to report results only for loci not available on the following pages.

	Item 1	Item 2	Item 3	Item 4
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Part I (continued): DNA Results for Known Item 1

STR Amplification Kit(s) Used For Item 1: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).

<input type="checkbox"/> COfiler®/Profiler Plus® _____	<input type="checkbox"/> PowerPlex® _____
<input type="checkbox"/> Identifiler® _____	<input type="checkbox"/> Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item 1: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

<input type="checkbox"/> Yfiler® _____	<input type="checkbox"/> PowerPlex® Y _____
<input type="checkbox"/> Other _____	

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Part I (continued): DNA Results for Known Item 2

STR Amplification Kit(s) Used For Item 2: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® _____ PowerPlex® Y _____

Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Part I (continued): DNA Results for Questioned Item 3

STR Amplification Kit(s) Used For Item		Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).	
<input type="checkbox"/> COfiler®/Profiler Plus® _____	<input type="checkbox"/> PowerPlex® _____		
<input type="checkbox"/> Identifiler® _____	<input type="checkbox"/> Other _____		

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item 3:		Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).	
<input type="checkbox"/> Yfiler® _____	<input type="checkbox"/> PowerPlex® Y _____		
<input type="checkbox"/> Other _____			

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

Part I (continued): DNA Results for Questioned Item 4

STR Amplification Kit(s) Used For Item 4: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).

<input type="checkbox"/> COfiler®/Profiler Plus® _____	<input type="checkbox"/> PowerPlex® _____
<input type="checkbox"/> Identifiler® _____	<input type="checkbox"/> Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

<input type="checkbox"/> Yfiler® _____	<input type="checkbox"/> PowerPlex® Y _____
<input type="checkbox"/> Other _____	

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

Part II: DNA INTERPRETATION

Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?

<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>			
	<u>Item 3</u>	<u>Item 4</u>		<u>Item 3</u>	<u>Item 4</u>
Yes	<input type="checkbox"/>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
No	<input type="checkbox"/>	<input type="checkbox"/>	No	<input type="checkbox"/>	<input type="checkbox"/>
Inconclusive	<input type="checkbox"/>	<input type="checkbox"/>	Inconclusive	<input type="checkbox"/>	<input type="checkbox"/>

DNA interpretations not reported; samples analyzed for database purposes only.

Part III: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

Written conclusions (including statistical information) for DNA analysis are not required.

Any interpretations based on the results obtained should be indicated above.

Note: Laboratories submitting their results for ASCLD/LAB accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

<p>Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>June 15, 2015</i> to be included in the report.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p>	<p>Participant Code:</p> <p>ONLINE DATA ENTRY: www.cts-portal.com FAX: +1-571-434-1937 or Toll-Free: 1-866-FAX-2CTS (329-2287) MAIL: Collaborative Testing Services, Inc. P.O. Box 650820 Sterling, VA 20165-0820 USA</p>
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Please return all pages of this data sheet.

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **15-583: DNA-Blood**

This release page must be completed and received by **June 15, 2015** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

ASCLD/LAB RELEASE

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.

The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.

ASCLD/LAB Legacy Certificate No. _____ ASCLD/LAB International Certificate No. _____

Signature _____ Date _____

Laboratory Name _____

Location (City/State) _____

ANAB RELEASE

If your laboratory maintains its accreditation through ANAB, please complete the following form in its entirety to have your results forwarded.

ANAB Certificate No. _____

Signature and Title _____ Date _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.

*Questions? Contact us 8 am-4:30 pm EST
Telephone: +1-571-434-1925
email: forensics@cts-interlab.com*

Please return all pages of this data sheet.

Page 8 of 8