



DNA-Semen Test No. 15-584 Summary Report

This proficiency test was sent to 184 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 160 participants (87% response rate) and are compiled into the following tables:

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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 clean white cloth (Items 1 & 2), and two questioned stains one on clean, green material (Item 3) and one on clean, grey material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2 and 3 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 4 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196°C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 4 substrate. Items 1 ($50\ \mu\text{l}$) and 3 ($50\ \mu\text{l}$) were blood collected from the same female donor and Item 2 ($50\ \mu\text{l}$) was blood collected from a male donor. Item 4 ($50\ \mu\text{l}$) was a mixture containing blood from the Item 1 female donor and semen from the Item 2 male donor. 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 July 6, 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. The sealed sample pack envelopes were then packaged in pre-labeled Marvel Heat Seal envelopes and 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	14,16 13,14 13,15.2 11,12	25,25 13,13 30,32 12,12	12,14 20,20 15,16 23.2,28.2	15,16 11,11 X,X 7,9	12,13 11,12 10,12 11,11	10,12 15,16 21,25 15,16
2	11,15 11,16 15.2,16 9,13	23,25 12,15 28,31.2 11,15	11,14 19,22 15,15 29.2,30.2	15,16 8,12 X,Y 9,10	11,12 12,12 11,12 8,11	9,11 15,17 20,21 14,17
3	14,16 13,14 13,15.2 11,12	25,25 13,13 30,32 12,12	12,14 20,20 15,16 23.2,28.2	15,16 11,11 X,X 7,9	12,13 11,12 10,12 11,11	10,12 15,16 21,25 15,16
4-Blood	14,16 13,14 13,15.2 11,12	25,25 13,13 30,32 12,12	12,14 20,20 15,16 23.2,28.2	15,16 11,11 X,X 7,9	12,13 11,12 10,12 11,11	10,12 15,16 21,25 15,16
4-Semen	11,15 11,16 15.2,16 9,13	23,25 12,15 28,31.2 11,15	11,14 19,22 15,15 29.2,30.2	15,16 8,12 X,Y 9,10	11,12 12,12 11,12 8,11	9,11 15,17 20,21 14,17

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	14 15 12	11,13 12 17	13 13 18	29 18 23	24 16 10	11 17 12	14 24 *	13 13
4-Semen	14 15 12	11,13 12 17	13 13 18	29 18 23	24 16 10	11 17 12	14 24 *	13 13

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

Summary Comments

The DNA-Semen 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). Items 1 and 3 were blood collected from the same female donor and Item 2 was blood collected from a male donor. Item 4 was a mixture containing blood from the Item 1 female donor and semen from the Item 2 male donor. (See Manufacturer's Information for preparation details)

Of the 160 responding, 159 participants reported DNA interpretations. There were 158 participants that included the victim (Item 1) as a possible contributor to the Item 3 stain and one that reported inconclusive. There were 157 participants that included the victim (Item 1) as a possible contributor to the Item 4 mixture and two left this response blank. There were 158 participants that excluded the suspect (Item 2) as a possible contributor to the Item 3 stain and one that reported inconclusive. All 159 reporting participants included the suspect (Item 2) as a possible contributor to the Item 4 mixture.

Five participants reported allelic results that differed from the consensus/predistribution results. Of these, four reported an additional allele (24) at FGA for Item 4. The one remaining participant was missing alleles at multiple loci for Item 4.

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
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Item 1 - STR Results

2A6ADG	<i>Globalfiler</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
			23,2,28,2	7,9	11	15,16
2BYXUR	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
2CUGXD	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
2ZGG47	<i>Identifiler® Plus</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
32QLCM	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
34CPPR	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11,11		15,16
		30,32		X,X		21,25
						15,16
3CT4RW	<i>Identifiler® Plus</i>					
1	-	25	-	15,16	12,13	10,12
	13,14	-	-	11	11,12	15,16
	13,15.2	30,32	-	X,X	10,12	21,25
	-	-	-	7,9	11	15,16
3FNZBW	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	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 1 - STR Results

3FTCW8	<i>PowerPlex® 16</i>					
1	13,14			15,16	12,13	10,12
		30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
4KEMLV	<i>PowerPlex® Fusion</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
4MMVW2	<i>PowerPlex® 21</i>					
1	14,16	25,25		15,16	12,13	10,12
	13,14		20,20	11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
4TV4FQ	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11		15,16
		30,32		X		21,25
						15,16
4UPQUF	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
4VJGZU	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
4YHTVU	<i>Identifiler® Plus</i>					
1		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
6RVMED	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
6TPDJR	<i>Identifiler Plus</i>					
1		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	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 1 - STR Results

6WQELA	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
77WFM2	<i>PowerPlex® Fusion</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
7C28XK	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
7GTJQV	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
7LRQGY	<i>GlobalFiler</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
			23,2,28,2	7,9	11,11	15,16
7QXPMH	<i>PowerPlex® PowerPlex® ESX 16 System</i>					
1	14,16	25	12,14	15,16		
	13,14	13	20		11,12	15,16
	13,15.2	30,32	15,16	X		21,25
				7,9		15,16
7W7Q9L	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
87U4KQ	<i>Identifiler® Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
8HFHHY	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	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 1 - STR Results

8RPR8C	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
8YR2CJ	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
92C8C8	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
96CGH3	<i>Identifiler® Plus</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
9K3GBM	<i>Identifiler® Plus</i>					
1		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
9R3ZCX	<i>PowerPlex® Fusion</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
9R4VWN	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
9YNY37	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
9ZGP9K	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	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 1 - STR Results

ADJFR4	COfiler® and Profiler Plus®					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
AJLPVB	Identifiler®					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
ALXE6F	Identifiler®					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
AMK6ZT	Identifiler® Plus					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
AR2G8U	PowerPlex® 21					
1	14,16	25,25		15,16	12,13	10,12
	13,14		20,20	11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
ATBDTY	PowerPlex® FUSION					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
B7WA83	Globalfiler Express					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
			23.2,28.2	7,9	11,11	15,16
BAF47N	PowerPlex® 16					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
BEQCAD	Identifiler®					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	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 1 - STR Results

BRF9DW	<i>PowerPlex® Fusion</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
CD9MNC	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
DA68RU	<i>Identifiler® Plus</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
DBHWYD	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
DCEGKR	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
DVAPZB	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
DY92ZG	<i>Identifiler® Plus</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
EA32QQ	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
ECT6JX	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	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 1 - STR Results

EKPTJA	<i>Identifiler® Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
ER24JN	<i>PowerPlex® Fusion 6 C</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12	23,2,28.2	7,9	11	15,16
EZXUBQ	<i>PowerPlex® Fusion</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
F8PUYG	<i>PowerPlex® 16 HS</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16
F8QLWP	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
FEBMEM	<i>Identifiler®</i>					
1	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
FJ7BVU	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
FK2YAJ	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
FKFJXM	<i>Identifiler®</i>					
1	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	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 1 - STR Results

FLWHD7	<i>Identifiler® Identifiler Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
FRZJFL	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
FUNVD7	<i>Identifiler® Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
FXPY6T	<i>PowerPlex® Fusion, GlobalFiler</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12	23.2,28.2	7,9	11	15,16
GJ6TEB	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
GTPCNA	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
GWRBY3	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
GXL26G	<i>PowerPlex® 16 HS</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16
H2W7H3	<i>Identifiler® Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	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 1 - STR Results

H79ELR	<i>PowerPlex® Fusion</i>						
	1	14,16	25,25	12,14	15,16	12,13	10,12
		13,14	13,13	20,20	11,11	11,12	15,16
		13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16	
H9YD2C	<i>COfiler® and Profiler Plus® Plus</i>						
	1				15,16	12,13	10,12
		13,14			11,11		15,16
			30,32		X,X		21,25
						15,16	
HKCH98	<i>PowerPlex® 16</i>						
	1				15,16	12,13	10,12
		13,14			11	11,12	15,16
			30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16	
HP6FZJ	<i>Identifiler® Plus</i>						
	1		25		15,16	12,13	10,12
		13,14			11	11,12	15,16
		13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16	
HUEXU7	<i>Identifiler®</i>						
	1		25		15,16	12,13	10,12
		13,14			11	11,12	15,16
		13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16	
HY9W92	<i>Identifiler®</i>						
	1		25		15,16	12,13	10,12
		13,14			11	11,12	15,16
		13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16	
HZ3MEF	<i>PowerPlex® 16 HS</i>						
	1				15,16	12,13	10,12
		13,14			11	11,12	15,16
			30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16	
J7RHVD	<i>Investigator® IDplex Plus Kit</i>						
	1		25,25		15,16	12,13	10,12
		13,14			11,11	11,12	15,16
		13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16	
JHGEWC	<i>Identifiler® Plus</i>						
	1		25		15,16	12,13	10,12
		13,14			11	11,12	15,16
		13,15.2	30,32		X	10,12	21,25
				7,9	11	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 1 - STR Results

JVK2H	<i>PowerPlex® Fusion 6C</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12	23,2,28,2	7,9	11	15,16
JXXABM	<i>Identifiler®</i>					
1		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
KALRL7	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
KLW993	<i>Identifiler® Plus</i>					
1		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
KMRRDP	<i>PowerPlex® 16 HS</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
KURBBE	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
KVMUEZ	<i>Identifiler® Plus</i>					
1		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
L3EPRP	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
L3FJCG	<i>Identifiler®</i>					
1	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16

TABLE 1

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

Item 1 - STR Results

L64VA2	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
LJML94	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
LK4TF7	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
LVM6U4	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
M22ECX	<i>Identifiler® Plus</i>					
	1	25,25		15,16	12,13	10,12
		13,14		11,11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
				7,9	11,11	15,16
M7GPRM	<i>PowerPlex® Fusion</i>					
	1	14,16	25	12,14	15,16	12,13
		13,14	13	20	11	11,12
		13,15.2	30,32	15,16	X	10,12
		11,12	12		7,9	11
						15,16
M7W7MF	<i>Identifiler® Plus</i>					
	1	25,25		15,16	12,13	10,12
		13,14		11,11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
				7,9	11,11	15,16
M9KMY9	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
MDDP39	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	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 1 - STR Results

MU4PT8	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
MVEHU2	<i>NGM SElect</i>					
1	14,16	25,25	12,14	15,16		
	13,14	13,13	20,20		11,12	15,16
	13,15.2	30,32	15,16	X,X		21,25
			23,2,28.2	7,9		15,16
N8MMH9	<i>Identifiler® Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
ND9MRU	<i>Globalfiler</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	NA	NA	23,2,28.2	7,9	11	15,16
NQZBPE	<i>PowerPlex® 16 HS, ESX-ESI-CS7</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12	23,2,28.2	7,9	11	15,16
NRRAY8	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
P2A963	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
PCAW27	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12	-	7,9	11,11	15,16
PTKMY6	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16

TABLE 1

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

Item 1 - STR Results

PZK2MQ	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
Q372L8	<i>Identifiler® Plus</i>					
1		25,25		15,16	12,13	10,12
		13,14		11,11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
				7,9	11,11	15,16
QDLVTU	<i>Identifiler® Plus</i>					
1		25,25		15,16	12,13	10,12
		13,14		11,11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
				7,9	11,11	15,16
R9QLZ8	<i>Identifiler® Plus</i>					
1		25	-	15,16	12,13	10,12
		13,14	-	11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
		-	-	7,9	11	15,16
RD62V6	<i>PowerPlex® 21</i>					
1		25		15,16	12,13	10,12
		13,14	20	11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
		11,12	12	7,9	11	15,16
RJBQEX	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
RK3QCA	<i>Identifiler®</i>					
1		25,25	-	15,16	12,13	10,12
		13,14	-	11,11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
		-	-	7,9	11,11	15,16
RL9DMT	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
RNXX64	<i>Globalfiler</i>					
1		25,25	12,14	15,16	12,13	10,12
		13,13	20,20	11,11	11,12	15,16
		30,32	15,16	X,X	10,12	21,25
			23.2,28.2	7,9	11,11	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 1 - STR Results

RVYUF3	<i>Profiler® Plus</i>					
	1			15,16	12,13	10,12
		13,14		11,11		15,16
			30,32	X,X		21,25
					15,16	
RVYW4L	<i>COfiler® and Profiler Plus®</i>					
	1			15,16	12,13	10,12
		13,14		11,11	11,12	15,16
			30,32	X,X	10,12	21,25
			7,9	11,11	15,16	
RX2W2X	<i>PowerPlex® 16</i>					
	1			15,16	12,13	10,12
		13,14		11	11,12	15,16
			30,32	X,X	10,12	21,25
	11,12	12	7,9	11	15,16	
RYXDDV	<i>Identifiler®</i>					
	1		25	15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
TC3L26	<i>Identifiler® Plus</i>					
	1		25,25	15,16	12,13	10,12
		13,14		11,11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
			7,9	11,11	15,16	
TW97VJ	<i>PowerPlex® 16 HS</i>					
	1			15,16	12,13	10,12
		13,14		11,11	11,12	15,16
			30,32	X,X	10,12	21,25
	11,12	12,12	7,9	11,11	15,16	
U8Q8NY	<i>PowerPlex® 16</i>					
	1			15,16	12,13	10,12
		13,14		11	11,12	15,16
			30,32	X,X	10,12	21,25
	11,12	12	7,9	11	15,16	
U9YHJG	<i>Identifiler® Plus</i>					
	1		25	15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
UDU9QD	<i>Identifiler® Identifiler Plus</i>					
	1		25	15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X,X	10,12	21,25
			7,9	11	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 1 - STR Results

UHMBTR	<i>Identifiler® Plus</i>					
1	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
UJGYA3	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
UJHQ8B	<i>COfiler® and Profiler Plus®</i>					
1				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
UJLT2	<i>PowerPlex® FUSION</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
UJQ6P	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
UUD3DW	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
UYRH8U	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
UZ3MJX	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
UZ4FG6	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	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 1 - STR Results

V9FTWF	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
VJAAJV	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
VJEQUH	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
VXUPR2	<i>PowerPlex® Fusion</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
W7836Q	<i>Identifiler®</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
W7MJ36	<i>Identifiler®</i>					
1	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
WBY6BC	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
WTRWDRU	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
WUT3D4	<i>Identifiler® Plus</i>					
1	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	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 1 - STR Results

XHRYLE	<i>Identifiler® Plus</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
XHTU87	<i>Identifiler®</i>					
	1	N/A	25,25	N/A	15,16	12,13
		13,14	N/A	N/A	11,11	11,12
		13,15.2	30,32	N/A	X,X	10,12
	N/A	N/A	N/A	7,9	11,11	15,16
XRK877	<i>Identifiler®</i>					
	1	N/A	25,25	N/A	15,16	12,13
		13,14	N/A	N/A	11,11	11,12
		13,15.2	30,32	N/A	X,X	10,12
	N/A	N/A	N/A	7,9	11,11	15,16
XTTH6U	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
XU66VW	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
XU9NHY	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
XXMJZH	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	15,16	
XYJYDE	<i>COfiler® and Profiler Plus®</i>					
	1			15,16	12,13	10,12
		13,14		11,11	11,12	15,16
			30,32	X,X	10,12	21,25
			7,9	11,11	15,16	
XYLHJQ	<i>Identifiler®</i>					
	1	25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
			7,9	11	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 1 - STR Results

Y9LC99	<i>PowerPlex® Fusion, GlobalFiler</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12	23.2,28.2	7,9	11	15,16
YP8ZJ4	<i>Identifiler®</i>					
1	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
YTAZEU	<i>PowerPlex® 16</i>					
1				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
Z7BUNH	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
Z86KUW	<i>Globalfiler</i>					
1	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
			23.2,28.2	7,9	11,11	15,16
ZNAAN9	<i>PowerPlex® Fusion</i>					
1	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
ZVTEHU	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
ZX2HEQ	<i>Identifiler®</i>					
1		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	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 2 - STR Results

2A6ADG	Globalfiler					
2		11,15	23,25	11,14	15,16	11,12
		11,16	12,15	19,22	8,12	12
		15.2,16	28,31.2	15	X,Y	11,12
				29.2,30.2	9,10	8,11
						9,11
						15,17
						20,21
						14,17
2BYXUR	PowerPlex® 16					
2				15,16	11,12	9,11
		11,16		8,12	12	15,17
			28,31.2	X,Y	11,12	20,21
		9,13	11,15	9,10	8,11	14,17
2CUGXD	Identifiler®					
2		23,25		15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
				9,10	8,11	14,17
2ZGG47	Identifiler® Plus					
2		23,25		15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
				9,10	8,11	14,17
32QLCM	PowerPlex® 16					
2				15,16	11,12	9,11
		11,16		8,12	12	15,17
			28,31.2	X,Y	11,12	20,21
		9,13	11,15	9,10	8,11	14,17
34CPPR	COfiler® and Profiler Plus®					
2				15,16	11,12	9,11
		11,16		8,12		15,17
			28,31.2	X,Y		20,21
						14,17
3CT4RW	Identifiler® Plus					
2		-	23,25	-	15,16	11,12
		11,16	-	-	8,12	12
		15.2,16	28,31.2	-	X,Y	11,12
		-	-	-	9,10	8,11
						9,11
						15,17
						20,21
						14,17
3FNZBW	PowerPlex® 16					
2				15,16	11,12	9,11
		11,16		8,12	12	15,17
			28,31.2	X,Y	11,12	20,21
		9,13	11,15	9,10	8,11	14,17
3FTCW8	PowerPlex® 16					
2				15,16	11,12	9,11
		11,16		8,12	12,12	15,17
			28,31.2	X,Y	11,12	20,21
		9,13	11,15	9,10	8,11	14,17

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

4KEMLV	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4MMVW2	<i>PowerPlex® 21</i>					
2	11,15	23,25		15,16	11,12	9,11
	11,16		19,22	8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4TV4FQ	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
4UPQUF	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4VJGZU	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4YHTVU	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
6RVMED	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
6TPDJR	<i>Identifiler Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
6WQELA	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

TABLE 1

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

Item 2 - STR Results

77WFM2	PowerPlex® Fusion					
2		11,15	23,25	11,14	15,16	11,12
		11,16	12,15	19,22	8,12	12
		15.2,16	28,31.2	15	X,Y	11,12
		9,13	11,15		9,10	8,11
						14,17
7C28XK	Identifiler®					
2			23,25		15,16	11,12
		11,16			8,12	12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						14,17
7GTJQV	Identifiler® Plus					
2			23,25		15,16	11,12
		11,16			8,12	12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						14,17
7LRQGY	GlobalFiler					
2		11,15	23,25	11,14	15,16	11,12
		11,16	12,15	19,22	8,12	12,12
		15.2,16	28,31.2	15,15	X,Y	11,12
				29.2,30.2	9,10	8,11
						14,17
7QXPMH	PowerPlex® 16					
2		11,15	23,25	11,14	15,16	
		11,16	12,15	19,22		12
		15.2,16	28,31.2	15	X,Y	
					9,10	
						15,17
						20,21
						14,17
7W7Q9L	Identifiler®					
2			23,25		15,16	11,12
		11,16			8,12	12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						14,17
87U4KQ	Identifiler® Plus					
2			23,25		15,16	11,12
		11,16			8,12	12,12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						14,17
8HFHHY	Identifiler® Plus					
2			23,25		15,16	11,12
		11,16			8,12	12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						14,17
8RPR8C	PowerPlex® Fusion					
2		11,15	23,25	11,14	15,16	11,12
		11,16	12,15	19,22	8,12	12,12
		15.2,16	28,31.2	15,15	X,Y	11,12
		9,13	11,15		9,10	8,11
						14,17

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

8YR2CJ	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
92C8C8	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
96CGH3	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
9K3GBM	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
9R3ZCX	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
9R4VWN	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
9YNY37	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
9ZGP9K	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
ADJFR4	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

TABLE 1

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

Item 2 - STR Results

AJLPVB	<i>Identifiler®</i>					
	2	23,25		15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
				9,10	8,11	14,17
ALXE6F	<i>Identifiler®</i>					
	2	23,25		15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
				9,10	8,11	14,17
AMK6ZT	<i>Identifiler® Plus</i>					
	2	23,25		15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
				9,10	8,11	14,17
AR2G8U	<i>PowerPlex® 21</i>					
	2	23,25		15,16	11,12	9,11
		11,16	19,22	8,12	12,12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
		9,13	11,15	9,10	8,11	14,17
ATBDTY	<i>PowerPlex® FUSION</i>					
	2	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	8,12	12	15,17
		15.2,16	28,31.2	15	X,Y	11,12
		9,13	11,15	9,10	8,11	14,17
B7WA83	<i>Globalfiler</i>					
	2	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	8,12	12,12	15,17
		15.2,16	28,31.2	15,15	X,Y	11,12
			29.2,30.2	9,10	8,11	14,17
BAF47N	<i>PowerPlex® 16</i>					
	2			15,16	11,12	9,11
				8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
		9,13	11,15	9,10	8,11	14,17
BEQCAD	<i>Identifiler®</i>					
	2	23,25		15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
				9,10	8,11	14,17
BRF9DW	<i>PowerPlex® Fusion</i>					
	2	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	8,12	12	15,17
		15.2,16	28,31.2	15	X,Y	11,12
		9,13	11,15	9,10	8,11	14,17

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

CD9MNC	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DA68RU	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DBHWYD	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DCEGKR	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DVAPZB	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DY92ZG	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
EA32QQ	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
ECT6JX	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
EKPTJA	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

ER24JN	<i>PowerPlex® Fusion 6 C</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17
EZXUBQ	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
F8PUYG	<i>PowerPlex® 16 HS</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
F8QLWP	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
FEBMEM	<i>Identifiler®</i>					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
FJ7BVU	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
	9,[13]	11,15		9,10	[8],11	14,17
FK2YAJ	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
FKFJXM	<i>Identifiler®</i>					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
FLWHD7	<i>Identifiler® Identifiler Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

FRZJFL	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
FUNVD7	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
FXPY6T	<i>PowerPlex® Fusion, GlobalFiler</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17
GJ6TEB	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
GTPCNA	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
GWRBY3	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
GXL26G	<i>PowerPlex® 16 HS</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
H2W7H3	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
H79ELR	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

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

H9YD2C	<i>COfiler® and Profiler Plus® Plus</i>					
2				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
HKCH98	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
HP6FZJ	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
HUEXU7	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
HY9W92	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
HZ3MEF	<i>PowerPlex® 16 HS</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
J7RHVD	<i>Investigator® IDplex Plus Kit</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
JHGEWC	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
JVLK2H	<i>PowerPlex® Fusion 6C</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17

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

JXXABM	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
KALRL7	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
KLW993	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
KMRRDP	<i>PowerPlex® 16 HS</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
KURBBE	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
KVMUEZ	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
L3EPRP	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
L3FJCG	<i>Identifiler®</i>					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
L64VA2	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

LJML94	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
LK4TF7	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
LVM6U4	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
M22ECX	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
M7GPRM	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
M7W7MF	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
M9KMY9	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
MDDP39	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
MU4PT8	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

MVEHU2	NGM SElect					
2	11,15	23,25	11,14	15,16		
	11,16	12,15	19,22		12,12	15,17
	15.2,16	28,31.2	15,15	X,Y		20,21
			29.2,30.2	9,10		14,17
N8MMH9	Identifiler® Plus					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
ND9MRU	Globalfiler					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	NA	NA	29.2,30.2	9,10	8,11	14,17
NQZBPE	PowerPlex® 16 HS, ESX,ESI,CS7					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17
NRRAY8	Identifiler®					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
P2A963	PowerPlex® 16					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
PCAW27	PowerPlex® Fusion					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15	-	9,10	8,11	14,17
PTKMY6	PowerPlex® 16					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
PZK2MQ	Identifiler®					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

Q372L8	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
QDLVTU	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
R9QLZ8	<i>Identifiler® Plus</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
RD62V6	<i>PowerPlex® 21</i>					
2	11,15	23,25		15,16	11,12	9,11
	11,16		19,22	8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
RJBQEX	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
RK3QCA	<i>Identifiler®</i>					
2	-	23,25	-	15,16	11,12	9,11
	11,16	-	-	8,12	12,12	15,17
	15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17
RL9DMT	<i>Identifiler®</i>					
2	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
RNXK64	<i>Globalfiler</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17
RVYUF3	<i>Profiler® Plus</i>					
2				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17

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

RVYW4L	<i>COfiler® and Profiler Plus®</i>					
	2			15,16	11,12	9,11
		11,16		8,12	12,12	15,17
			28,31.2	X,Y	11,12	20,21
			9,10	8,11	14,17	
RX2W2X	<i>PowerPlex® 16</i>					
	2			15,16	11,12	9,11
		11,16		8,12	12	15,17
			28,31.2	X,Y	11,12	20,21
	9,13	11,15	9,10	8,11	14,17	
RYXDDV	<i>Identifiler®</i>					
	2		23,25	15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
			9,10	8,11	14,17	
TC3L26	<i>Identifiler® Plus</i>					
	2		23,25	15,16	11,12	9,11
		11,16		8,12	12,12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
			9,10	8,11	14,17	
TW97VJ	<i>PowerPlex® 16 HS</i>					
	2			15,16	11,12	9,11
		11,16		8,12	12,12	15,17
			28,31.2	X,Y	11,12	20,21
	9,13	11,15	9,10	8,11	14,17	
U8Q8NY	<i>PowerPlex® 16</i>					
	2			15,16	11,12	9,11
		11,16		8,12	12	15,17
			28,31.2	X,Y	11,12	20,21
	9,13	11,15	9,10	8,11	14,17	
U9YHJG	<i>Identifiler® Plus</i>					
	2		23,25	15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
			9,10	8,11	14,17	
UDU9QD	<i>Identifiler® Identifiler Plus</i>					
	2		23,25	15,16	11,12	9,11
		11,16		8,12	12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
			9,10	8,11	14,17	
UHMBTR	<i>Identifiler® Plus</i>					
	2		23,25	15,16	11,12	9,11
		11,16		8,12	12,12	15,17
		15.2,16	28,31.2	X,Y	11,12	20,21
			9,10	8,11	14,17	

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

UJGYA3	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UJHQ8B	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UJLT2	<i>PowerPlex® FUSION</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UJQ6P	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UUD3DW	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UYRH8U	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UZ3MJX	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UZ4FG6	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
V9FTWF	<i>Identifiler® Plus</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

VJAAJV	PowerPlex® 16					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
VJEQHU	PowerPlex® 16					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
VXUPR2	PowerPlex® Fusion					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
W7836Q	Identifiler®					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
W7MJ36	Identifiler®					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
WBY6BC	Identifiler® Plus					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
WTWRDU	PowerPlex® 16					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
WUT3D4	Identifiler® Plus					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XHRYLE	Identifiler® Plus					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

XHTU87	<i>Identifiler®</i>					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
XRK877	<i>Identifiler®</i>					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
XTTH6U	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XU66VW	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XU9NHY	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XXMJZH	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XYJYDE	<i>COfiler® and Profiler Plus®</i>					
2				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XYLHJQ	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
Y9LC99	<i>PowerPlex® Fusion, GlobalFiler</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17

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

YP8ZJ4	<i>Identifiler®</i>					
2	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
YTAZEU	<i>PowerPlex® 16</i>					
2				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
Z7BUNH	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
Z86KUW	<i>Globalfiler</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17
ZNAAN9	<i>PowerPlex® Fusion</i>					
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
ZVTEHU	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
ZX2HEQ	<i>Identifiler®</i>					
2		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

2A6ADG	Globalfiler					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
			23.2,28.2	7,9	11	15,16
2BYXUR	PowerPlex® 16					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
2CUGXD	Identifiler®					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
2ZGG47	Identifiler® Plus					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
32QLCM	PowerPlex® 16					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
34CPPR	COfiler® and Profiler Plus®					
3				15,16	12,13	10,12
	13,14			11,11		15,16
		30,32		X,X		21,25
						15,16
3CT4RW	Identifiler® Plus					
3	-	25	-	15,16	12,13	10,12
	13,14	-	-	11	11,12	15,16
	13,15.2	30,32	-	X,X	10,12	21,25
	-	-	-	7,9	11	15,16
3FNZBW	PowerPlex® 16					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
3FTCW8	PowerPlex® 16					
3				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16

TABLE 1

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

Item 3 - STR Results

4KEMLV	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
4MMVW2	<i>PowerPlex® 21</i>					
3	14,16	25,25		15,16	12,13	10,12
	13,14		20,20	11,11	11,12	15,16
	13,15.2			X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
4TV4FQ	<i>COfiler® and Profiler Plus®</i>					
3				15,16	12,13	10,12
	13,14			11		15,16
		30,32		X		21,25
						15,16
4UPQUF	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
4VJGZU	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
4YHTVU	<i>Identifiler® Plus</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
6RVMED	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
6TPDJR	<i>Identifiler Plus</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
6WQELA	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	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

77WFM2	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
7C28XK	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
7GTJQV	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
7LRQGY	<i>GlobalFiler</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
			23,2,28,2	7,9	11,11	15,16
7QXPMH	<i>PowerPlex® 16</i>					
3	14,16	25	12,14	15,16		
	13,14	13	20		11,12	15,16
	13,15.2	30,32	15,16	X		21,25
				7,9		15,16
7W7Q9L	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
87U4KQ	<i>Identifiler® Plus</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
8HFHHY	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
8RPR8C	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	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

8YR2CJ	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
92C8C8	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
96CGH3	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
9K3GBM	<i>Identifiler® Plus</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
9R3ZCX	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
9R4VWN	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
9YNY37	<i>COfiler® and Profiler Plus®</i>					
3				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
9ZGP9K	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
ADJFR4	<i>COfiler® and Profiler Plus®</i>					
3				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	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

AJLPVB	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
ALXE6F	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
AMK6ZT	<i>Identifiler® Plus</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
AR2G8U	<i>PowerPlex® 21</i>					
3	14,16	25,25		15,16	12,13	10,12
	13,14		20,20	11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
ATBDTY	<i>PowerPlex® FUSION</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
B7WA83	<i>Globalfiler</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
			23,2,28,2	7,9	11,11	15,16
BAF47N	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
BEQCAD	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
BRF9DW	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	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

CD9MNC	<i>Identifiler®</i>					
3	25		15,16	12,13	10,12	
	13,14		11	11,12	15,16	
	13,15.2	30,32	X	10,12	21,25	
			7,9	11	15,16	
DA68RU	<i>Identifiler® Plus</i>					
3	25		15,16	12,13	10,12	
	13,14		11	11,12	15,16	
	13,15.2	30,32	X	10,12	21,25	
			7,9	11	15,16	
DBHWYD	<i>Identifiler®</i>					
3	25		15,16	12,13	10,12	
	13,14		11	11,12	15,16	
	13,15.2	30,32	X	10,12	21,25	
			7,9	11	15,16	
DCEGKR	<i>COfiler® and Profiler Plus®</i>					
3			15,16	12,13	10,12	
	13,14		11,11	11,12	15,16	
		30,32	X,X	10,12	21,25	
			7,9	11,11	15,16	
DVAPZB	<i>Identifiler®</i>					
3	25		15,16	12,13	10,12	
	13,14		11	11,12	15,16	
	13,15.2	30,32	X	10,12	21,25	
			7,9	11	15,16	
DY92ZG	<i>Identifiler® Plus</i>					
3	25		15,16	12,13	10,12	
	13,14		11	11,12	15,16	
	13,15.2	30,32	X	10,12	21,25	
			7,9	11	15,16	
EA32QQ	<i>COfiler® and Profiler Plus®</i>					
3			15,16	12,13	10,12	
	13,14		11,11	11,12	15,16	
		30,32	X,X	10,12	21,25	
			7,9	11,11	15,16	
ECT6JX	<i>COfiler® and Profiler Plus®</i>					
3			15,16	12,13	10,12	
	13,14		11,11	11,12	15,16	
		30,32	X,X	10,12	21,25	
			7,9	11,11	15,16	
EKPTJA	<i>Identifiler® Plus</i>					
3	25,25		15,16	12,13	10,12	
	13,14		11,11	11,12	15,16	
	13,15.2	30,32	X,X	10,12	21,25	
			7,9	11,11	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

ER24JN	<i>PowerPlex® Fusion 6 C</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12	23,2,28,2	7,9	11	15,16
EZXUBQ	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
F8PUYG	<i>PowerPlex® 16 HS</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16
F8QLWP	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
FEBMEM	<i>Identifiler®</i>					
3	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
FJ7BVU	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
FK2YAJ	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
FKFJXM	<i>Identifiler®</i>					
3	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
FLWHD7	<i>Identifiler® Identifiler Plus</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	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

FRZJFL	<i>Identifiler® Plus</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
FUNVD7	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
FXPY6T	<i>PowerPlex® Fusion, GlobalFiler</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12	23.2,28.2	7,9	11	15,16
GJ6TEB	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
GTPCNA	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
GWRBY3	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
GXL26G	<i>PowerPlex® 16 HS</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16
H2W7H3	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
H79ELR	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	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

H9YD2C	<i>COfiler® and Profiler Plus® Plus</i>					
3				15,16	12,13	10,12
	13,14			11,11		15,16
		30,32		X,X		21,25
						15,16
HKCH98	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
HP6FZJ	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
HUEXU7	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
HY9W92	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
HZ3MEF	<i>PowerPlex® 16 HS</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16
J7RHVD	<i>Investigator® IDplex Plus Kit</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
JHGEWC	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
JXXABM	<i>Identifiler®</i>					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	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

KALRL7	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11	15,16	
KLW993	<i>Identifiler® Plus</i>	3	25,25		15,16	12,13	10,12	
			13,14		11,11	11,12	15,16	
			13,15.2	30,32		X,X	10,12	21,25
					7,9	11,11	15,16	
KMRRDP	<i>PowerPlex® 16 HS</i>	3			15,[16]	12,13	10,12	
			13,14		11,11	11,12	15,16	
				30,32		X,X	10,12	21,25
			11,12	12,12		7,9	11,11	15,16
KURBBE	<i>PowerPlex® 16</i>	3			15,16	12,13	10,12	
			13,14		11	11,12	15,16	
				30,32		X,X	10,12	21,25
			11,12	12		7,9	11	15,16
KVMUEZ	<i>Identifiler® Plus</i>	3	25,25		15,16	12,13	10,12	
			13,14		11,11	11,12	15,16	
			13,15.2	30,32		X,X	10,12	21,25
					7,9	11,11	15,16	
L3EPRP	<i>PowerPlex® 16</i>	3			15,16	12,13	10,12	
			13,14		11,11	11,12	15,16	
				30,32		X,X	10,12	21,25
			11,12	12,12		7,9	11,11	15,16
L3FJCG	<i>Identifiler®</i>	3	N/A	25,25	N/A	15,16	12,13	10,12
			13,14	N/A	N/A	11,11	11,12	15,16
			13,15.2	30,32	N/A	X,X	10,12	21,25
			N/A	N/A	N/A	7,9	11,11	15,16
L64VA2	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11	15,16	
LJML94	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11	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

LK4TF7	<i>Identifiler® , MiniFiler</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
LVM6U4	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
M22ECX	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
M7GPRM	<i>PowerPlex® Fusion</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	11,12	12		7,9	11	15,16
M7W7MF	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
M9KMY9	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
MDDP39	<i>Identifiler Plus, MiniFiler</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
MU4PT8	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
MVEHU2	<i>NGM SElect</i>					
3	14,16	25	12,14	15,16		
	13,14	13	20		11,12	15,16
	13,15.2	30,32	15,16	X		21,25
			23,2,28,2	7,9		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

N8MMH9	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
ND9MRU	<i>Globalfiler</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X	10,12	21,25
	NA	NA	23.2,28.2	7,9	11	15,16
NQZBPE	<i>PowerPlex® 16 HS, ESX,ESI,CS7</i>					
3	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12	23.2,28.2	7,9	11	15,16
NRRAY8	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
P2A963	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
PCAW27	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12	-	7,9	11,11	15,16
PTKMY6	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
PZK2MQ	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
Q372L8	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	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

QDLVTU	<i>Identifiler® Plus</i>					
3	25,25			15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
R9QLZ8	<i>Identifiler® Plus</i>					
3	-	25	-	15,16	12,13	10,12
	13,14	-	-	11	11,12	15,16
	13,15.2	30,32	-	X,X	10,12	21,25
	-	-	-	7,9	11	15,16
RD62V6	<i>PowerPlex® 21</i>					
3	14,16	25		15,16	12,13	10,12
	13,14		20	11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
	11,12	12		7,9	11	15,16
RJBQEX	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
RK3QCA	<i>Identifiler®</i>					
3	-	25,25	-	15,16	12,13	10,12
	13,14	-	-	11,11	11,12	15,16
	13,15.2	30,32	-	X,X	10,12	21,25
	-	-	-	7,9	11,11	15,16
RL9DMT	<i>Identifiler®</i>					
3	25			15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
RNXK64	<i>Globalfiler</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
			23.2,28.2	7,9	11,11	15,16
RVYUF3	<i>Profiler® Plus</i>					
3				15,16	12,13	10,12
	13,14			11,11		15,16
		30,32		X,X		21,25
						15,16
RVYW4L	<i>COfiler® and Profiler Plus®</i>					
3				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	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

RX2W2X	PowerPlex® 16					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
RYXDDV	Identifiler®					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
TC3L26	Identifiler® Plus					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
TW97VJ	PowerPlex® 16 HS					
3				15,16	12,[13]	10,12
	13,14			11,11	11,12	[15],16
		30,32		X,X	10,12	21,25
	11,12	12,12		7,[9]	11,11	15,16
U8Q8NY	PowerPlex® 16					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
U9YHJG	Identifiler® Plus					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
UDU9QD	Identifiler® Identifiler Plus					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
UHMBTR	Identifiler® Plus					
3		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
UJGYA3	Identifiler®					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	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

UJHQ8B	<i>COfiler® and Profiler Plus®</i>					
3				15,16	12,13	10,12
	13,14			11,11	11,12	15,16
		30,32		X,X	10,12	21,25
				7,9	11,11	15,16
UJLT2	<i>PowerPlex® FUSION</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
UJQ6P	<i>PowerPlex® Fusion</i>					
3	14,16	25,25	12,14	15,16	12,13	10,12
	13,14	13,13	20,20	11,11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12,12		7,9	11,11	15,16
UUD3DW	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
UYRH8U	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
UZ3MJX	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
UZ4FG6	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
V9FTWF	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
VJAAJV	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16

TABLE 1

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

Item 3 - STR Results

VJEQHU	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
W7836Q	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
W7MJ36	<i>Identifiler®</i>					
3	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
WB66BC	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
WTWRDU	<i>PowerPlex® 16</i>					
3				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
WUT3D4	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
XHRYLE	<i>Identifiler® Plus</i>					
3		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
XHTU87	<i>Identifiler®</i>					
3	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	15,16
XRK877	<i>Identifiler®</i>					
3	N/A	25,25	N/A	15,16	12,13	10,12
	13,14	N/A	N/A	11,11	11,12	15,16
	13,15.2	30,32	N/A	X,X	10,12	21,25
	N/A	N/A	N/A	7,9	11,11	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

XTTH6U	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11		15,16
XU66VW	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11		15,16
XU9NHY	<i>Identifiler® , MiniFiler</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11		15,16
XXMJZH	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11		15,16
XYJYDE	<i>COfiler® and Profiler Plus®</i>	3			15,16	12,13	10,12	
			13,14		11,11	11,12	15,16	
				30,32		X,X	10,12	21,25
					7,9	11,11		15,16
XYLHJQ	<i>Identifiler®</i>	3	25		15,16	12,13	10,12	
			13,14		11	11,12	15,16	
			13,15.2	30,32		X	10,12	21,25
					7,9	11		15,16
Y9LC99	<i>PowerPlex® Fusion, GlobalFiler</i>	3	14,16	25	12,14	15,16	12,13	10,12
			13,14	13	20	11	11,12	15,16
			13,15.2	30,32	15,16	X	10,12	21,25
			11,12	12	23.2,28.2	7,9	11	15,16
YP8ZJ4	<i>Identifiler®</i>	3	N/A	25,25	N/A	15,16	12,13	10,12
			13,14	N/A	N/A	11,11	11,12	15,16
			13,15.2	30,32	N/A	X,X	10,12	21,25
			N/A	N/A	N/A	7,9	11,11	15,16
YTAZEU	<i>PowerPlex® 16</i>	3			15,16	12,13	10,12	
			13,14		11	11,12	15,16	
				30,32		X,X	10,12	21,25
			11,12	12		7,9	11	15,16

TABLE 1

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

Item 3 - STR Results

Z7BUNH	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
Z86KUW	<i>Globalfiler</i>					
3		14,16	25,25	12,14	15,16	12,13
		13,14	13,13	20,20	11,11	11,12
		13,15.2	30,32	15,16	X,X	10,12
				23,2,28.2	7,9	11,11
ZNAAN9	<i>PowerPlex® Fusion</i>					
3		14,16	25	12,14	15,16	12,13
		13,14	13	20	11	11,12
		13,15.2	30,32	15,16	X	10,12
		11,12	12		7,9	11
ZVTEHU	<i>Identifiler®, MiniFiler</i>					
3		25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16
ZX2HEQ	<i>Identifiler®</i>					
3		25		15,16	12,13	10,12
		13,14		11	11,12	15,16
		13,15.2	30,32	X	10,12	21,25
				7,9	11	15,16

TABLE 1

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

Item 3e - STR Results

JVLK2H PowerPlex® FUSION 6C

3e	14,16	25	12,14	15,16	12,13	10,12
	13,14	13	20	11	11,12	15,16
	13,15.2	30,32	15,16	X,X	10,12	21,25
	11,12	12	23.2,28.2	7,9	11	15,16

TABLE 1

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

Item 3sp - STR Results

JVLK2H PowerPlex® FUSION 6C

3sp	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

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

ER24JN	<i>PowerPlex® Fusion 6 C</i>					
4	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,13,15	19,22	8,11,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,12,15	28.2,29.2,30.2	9,10	8,11	14,16,17
H9YD2C	<i>COfiler® and Profiler Plus® Plus</i>					
4				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12		15,16,17
		28,30,31.2,32		X,Y		20,21,25
						14,15,16,17
MDDP39	<i>Identifiler Plus, MiniFiler</i>					
4		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,24,25
				7,9,10	8,11	14,15,16,17
MVEHU2	<i>NGM SElect</i>					
4	[11],14,[15],16	[23],25	[11],12,14	15,16		
	[11],13,14,[16]	[12],13,[15]	[19],20,[22]		11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	15,[16]	X,[Y]		[20],21,25
			23.2,28.2,[29.2],[30.2]	7,9,[10]		[14],15,16,[17]
XU9NHY	<i>Identifiler® , MiniFiler</i>					
4		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17

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 4e - STR Results

2A6ADG	Globalfiler					
4e	(11),14,(15),16	(23),25	11,12,14	15,16	11,12,13	(9),10,(11),12
	(11),13,14,(16)	12,13,15	(19),20,(22)	(8),11,(12)	11,12	15,16,17
	13,15.2,16	(28),30,(31.2),32	15,16	X,(Y)	10,11,12	20,21,25
			23.2,28.2,(29.2,30.2)	7,9,10	(8),11	(14),15,16,(17)
2BYXUR	PowerPlex® 16					
4e				15,16	[11],12,13	[9],10,[11],12
	[11],13,14			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,(Y)	10,12	[20],21,25
	[9],11,12	12,[15]		7,9,[10]	11	15,16,[17]
2CUGXD	Identifiler®					
4e		25		15,16	11,12,13	9,10,11,12
	13,14,16			8,11,12	11,12	15,16
	13,15.2	28,30,31.2,32		X	10,11,12	20,21,25
				7,9,10	11	15,16
2ZGG47	Identifiler® Plus					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,(Y)	10,[11],12	[20],21,25
				7,9,[10]	[8],11	15,16,[17]
32QLCM	PowerPlex® 16					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
34CPPR	COfiler® and Profiler Plus®					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12		15,16,17
		28,30,31.2,32		X,Y		20,21,25
						14,15,16,17
3CT4RW	Identifiler® Plus					
4e	-	25	-	15,16	12,13	10,12
	13,14	-	-	11	11,12	15,16
	13,15.2	30,32	-	X,X	10,12	21,25
	-	-	-	7,9	11	15,16
3FNZBW	PowerPlex® 16					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
3FTCW8	PowerPlex® 16					
4e				15,16	11,12,13	[9],10,11,12
	[11],13,14,16			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,(Y)	10,[11],12	[20],21,[25]
	9,11,12,[13]	[11],12,[15]		7,9,[10]	[8],11	[14],15,16,[17]

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 4e - STR Results

4KEMLV	<i>PowerPlex® Fusion</i>					
4e	[11],14,[15],16	[23],25	[11],12,14	15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]	[12],13,[15]	[19],20,[22]	[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	15,16	X,[Y]	10,[11],12	[20],21,25
	[9],11,12,[13]	[11],12,[15]		7,9,[10]	[8],11	[14],15,16,[17]
4MMVW2						
4e	11,14,15,16	23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16		19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
4TV4FQ	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12		15,16,17
		28,30,31.2,32		X,Y		20,21,25
						14,15,16,17
4UPQUF	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	12,15		7,9,10	8,11	14,15,16,17
4VJGZU	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16
		28,30,32		X,Y	10,12	20,21,25
	11,12,13	12		7,9,10	11	15,16
4YHTVU	<i>Identifiler® Plus</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	[14],15,16,[17]
6RVMED	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
6TPDJR	<i>Identifiler Plus</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	[11],12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,[25]
				7,9	[8],11	[14],15,16,[17]
6WQELA	<i>Identifiler®</i>					
4e		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	28,30,32		X	10,12	21,25
				7,9	11	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 4e - STR Results

77WFM2	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
7C28XK	<i>Identifiler®</i>					
4e		25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2	28,30,31.2,32		X	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
7GTJQV	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
7LRQGY	<i>GlobalFiler</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
			23.2,28.2,29.2,30.2	7,9,10	8,11	14,15,16,17
7QXPMH	<i>PowerPlex® 16</i>					
4e	[11],14,[15],16	[23],25	[11],12,14	15,16		
	13,14	[12],13,[15]	[19],20,[22]		11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	15,16	X,[Y]		[20],21,25
				7,9,[10]		[14],15,16,[17]
7W7Q9L	<i>Identifiler®</i>					
4e		23,25		15,16	12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16
	13,15.2	28,30,31.2,32		X,Y	10,12	21,24*,25
				7,9,10	8,11	15,16,17
87U4KQ	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
8HFHHY	<i>Identifiler® Plus</i>					
4e		[23],25		15,16	12,13	[9],10,[11],12
	13,14,[16]			11	11,12	15,16
	13,15.2	[28],30,32		X	10,12	[20],21,25
				7,9	11	15,16
8RPR8C	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17

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 4e - STR Results

8YR2CJ	<i>PowerPlex® 16</i>					
4e				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
92C8C8	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
96CGH3	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
9K3GBM	<i>Identifiler® Plus</i>					
4e		(23),25		15,16	(11),12,13	(9),10,(11),12
	(11),13,14,(16)			(8),11,(12)	(11),12	15,16,(17)
	13,15.2,(16)	(28),30,(31.2),32		X,(Y)	10,(11),12	(20),21,25
				7,9,(10)	(8),11	(14),15,16,(17)
9R3ZCX	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	12,15		7,9,10	8,11	14,15,16,17
9R4VWN	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
9YNY37	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
9ZGP9K	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
ADJFR4	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17

TABLE 1

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

Item 4e - STR Results

AJLPVB	<i>Identifiler®</i>	4e	[23],25		15,16	[11],12,13	[9],10,[11],12	
			[11],13,14,[16]		[8],11,[12]	11,12	15,16,[17]	
			13,15.2,[16]	[28],30,[31.2],32	X,[Y]	10,[11],12	[20],21,25	
					7,9,[10]	[8],11	[14],15,16,[17]	
ALXE6F	<i>Identifiler®</i>	4e	23,25		15,16	11,12,13	9,10,11,12	
			11,13,14,16		8,11,12	11,12	15,16,17	
			13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,24*,25	
					7,9,10	8,11	14,15,16,17	
AMK6ZT	<i>Identifiler® Plus</i>	4e	23,25		15,16	11,12,13	9,10,11,12	
			11,13,14,16		8,11,12	11,12	15,16,17	
			13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25	
					7,9,10	8,11	14,15,16,17	
AR2G8U	<i>PowerPlex® 21</i>	4e	11,14,15,16	23,25	15,16	11,12,13	9,10,11,12	
			11,13,14,16		19,20,22	8,11,12	11,12	15,16,17
			13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25	
			9,11,12,13	11,12,15	7,9,10	8,11	14,15,16,17	
ATBDTY	<i>PowerPlex® FUSION</i>	4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
			11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
			13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
			9,11,12,13	12,15	7,9,10	8,11	14,15,16,17	
B7WA83	<i>Globalfiler</i>	4e	[11],14,[15],16	[23],25,25	[11],12,14	15,16	[11],12,13	[9],10,[11],12
			[11],13,14,[16]	[12],13,13,[15]	[19],20,20,[22]	[8],11,11,[12]	11,12	15,16,[17]
			13,15.2,[16]	[28],30,[31.2],32	15,16	X,X,[Y]	10,[11],12	20,21,25
					23.2,28.2,[29.2],[30.2]	7,9,10	[8],11,11	[14],15,16,[17]
BAF47N	<i>PowerPlex® 16</i>	4e			15,16	11,12,13	9,10,11,12	
			11,13,14,16		8,11,12	11,12	15,16,17	
				28,30,31.2,32	X,Y	10,11,12	20,21,25	
			9,11,12,13	11,12,15	7,9,10	8,11	14,15,16,17	
BEQCAD	<i>Identifiler®</i>	4e	23,25		15,16	11,12,13	9,10,11,12	
			11,13,14,16		8,11,12	11,12	15,16,17	
			13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25	
					7,9,10	8,11	14,15,16,17	
BRF9DW	<i>PowerPlex® Fusion</i>	4e	[11],14,[15],16	[23],25	[11],12,14	15,16	[11],12,13	[9],10,[11],12
			[11],13,14,[16]	[12],13,[15]	[19],20,[22]	[8],11,[12]	11,12	15,16,[17]
			13,15.2,[16]	[28],30,[31.2],32	15,16	X,[Y]	10,[11],12	[20],21,25
			[9],11,12,[13]	[11],12,[15]		7,9,[10]	[8],11	[14],15,16,[17]

TABLE 1

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

Item 4e - STR Results

CD9MNC	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
DA68RU	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
DBHWYD	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
DCEGKR	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	[14],15,16,[17]
DVAPZB	<i>Identifiler®</i>					
4e		25		15,16	12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16
	13,15.2	28,30,31.2,32		X	10,12	20,21,25
				7,9	11	15,16
DY92ZG	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
EA32QQ	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
ECT6JX	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
EKPTJA	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17

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 4e - STR Results

EZXUBQ	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	12,15		7,9,10	8,11	14,15,16,17
F8PUYG	<i>PowerPlex® 16 HS</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
F8QLWP	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
FEBMEM	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,[13]	[9],10,[11],12
	[11],13,14,[16]	N/A	N/A	[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	N/A	X,[Y]	10,[11],12	[20],21,25
	N/A	N/A	N/A	7,9,[10]	[8],11	[14],15,16,[17]
FJ7BVU	<i>PowerPlex® 16</i>					
4e				15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,[25]
	[9],11,12,[13]	[11],12		7,9,[10]	[8],11	[14],15,16,[17]
FK2YAJ	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,12
	13,14,16			8,11	11,12	15,16
		28,30,31.2,32		X,Y	10,12	21,25
	11,12	12		7,9,10	11	15,16
FKFJXM	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,[13]	9,10,11,12
	[11],13,14,[16]	N/A	N/A	[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	N/A	X,[Y]	10,[11],12	[20],21,[25]
	N/A	N/A	N/A	[7],9,[10]	[8],11	[14],15,16,[17]
FLWHD7	<i>Identifiler® Identifiler Plus</i>					
4e		[23],25,25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11,11	[14],15,16,[17]
FRZJFL	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17

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 4e - STR Results

FUNVD7	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
FXPY6T	<i>PowerPlex® Fusion, GlobalFiler</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	12,15	23.2,28.2,29.2,30.2	7,9,10	8,11	14,15,16,17
GJ6TEB	<i>Identifiler®</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	20,21,25
				7,9,[10]	[8],11	[14],15,16,[17]
GTPCNA	<i>PowerPlex® 16</i>					
4e				15,16	12,13	10,12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
GWRBY3	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
GXL26G	<i>PowerPlex® 16 HS</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
H2W7H3	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
H79ELR	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	12,15		7,9,10	8,11	14,15,16
HKCH98	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11	11,12	15,16
		28,30,31.2,32		X,X	10,12	20,21,25
	11,12	12		7,9	11	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 4e - STR Results

HP6FZJ	<i>Identifiler® Plus</i>					
4e		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
HUEXU7	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
HY9W92	<i>Identifiler®</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	[14],15,16,[17]
HZ3MEF	<i>PowerPlex® 16 HS</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
J7RHVD	<i>Investigator® IDplex Plus Kit</i>					
4e		25,25		15,16	12,13	10,12
	13,14			11,11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
JHGEWC	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
JVLK2H	<i>PowerPlex® FUSION 6C</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15	23.2,28.2,29.2,30.2	7,9,10	8,11	14,15,16,17
JXXABM	<i>Identifiler®</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,12	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	15,16,[17]
KALRL7	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17

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 4e - STR Results

KLW993	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
KMRRDP	<i>PowerPlex® 16 HS</i>					
4e				15,16	[11],12,[13]	[9],10,[11],12
	[11],[13],14			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,25
	[9],11,[12]	[11],12,[15]		7,9,[10]	[8],11	[14],15,16,[17]
KURBBE	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,12	20,21,25
	9,11,12,13	11,12		7,9	8,11	15,16,17
KVMUEZ	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
L3EPRP	<i>PowerPlex® 16</i>					
4e				15,16	[11],12,13	[9],10,[11],12
	13,14,[16]			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,[Y]	10,[11],12	21,[25]
	11,12,[13]	12,[15]		7,9,[10]	[8],11	[14],15,16,[17]
L3FJCG	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,[13]	[9],10,[11],12
	11,13,14,[16]	N/A	N/A	[8],11,[12]	11,12	15,16,17
	13,15.2,[16]	28,30,[31.2],32	N/A	X,[Y]	10,[11],12	[20],21,25
	N/A	N/A	N/A	7,9,[10]	[8],11	14,15,16,17
L64VA2	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
LJML94	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
LK4TF7	<i>Identifiler® , MiniFiler</i>					
4e		[23],25		15,16	11,12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	[14],15,16,[17]

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 4e - STR Results

LVM6U4	<i>Identifiler®</i>					
4e	23,25			15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
M22ECX	<i>Identifiler® Plus</i>					
4e	23,25			15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
M7GPRM	<i>PowerPlex® Fusion</i>					
4e	[11],14,[15],16	[23],25	[11],12,14	15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]	[12],13,[15]	[19],20,[22]	[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	15,16	X,[Y]	10,[11],12	[20],21,25
	[9],11,12,[13]	[11],12,[15]		7,9,[10]	[8],11	[14],15,16,[17]
M7W7MF	<i>Identifiler® Plus</i>					
4e	25,25			15,16	12,13	10,12
	13,14			(8),11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11,11	15,16
M9KMY9	<i>Identifiler®</i>					
4e	(23),25			15,16	(11),12,13	(9),10,(11),12
	(11),13,14,(16)			(8),11,(12)	11,12	15,16,(17)
	13,15.2,(16)	(28),30,(31.2),32		X,(Y)	10,(11),12	(20),21,25
				7,9,(10)	(8),11	(14),15,16,(17)
MU4PT8	<i>Identifiler®</i>					
4e	23,25			15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
N8MMH9	<i>Identifiler® Plus</i>					
4e	23,25			15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
ND9MRU	<i>Globalfiler</i>					
4e	[11],14,[15],16	[23],25	11,12,14	15,16	11,12,13	[9],10,[11],12
	[11],13,14,[16]	[12],13,[15]	[19],20,[22]	[8],11,[12]	11,12	15,16,17
	13,15.2,16	[28],30,[31.2],32	15,16	X,Y	10,11,12	20,21,25
	NA	NA	23.2,28.2,[29.2],[30.2]	7,9,10	[8],11	[14],15,16,[17]
NQZBPE	<i>PowerPlex® 16 HS, ESX,ESI,CS7</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15	23.2,28.2,29.2,30.2	7,9,10	8,11	14,15,16,17

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 4e - STR Results

NRRAY8	<i>Identifiler®</i>					
4e	[23],25			15,16	11,12,13	9,10,11,12
	11,13,14,16			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	28,30,31.2,32		X,[Y]	10,[11],12	20,21,25
				7,9,[10]	[8],11	[14],15,16,[17]
P2A963	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
PCAW27	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15	-	7,9,10	8,11	14,15,16,17
PTKMY6	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
PZK2MQ	<i>Identifiler®</i>					
4e		25		15,16	11,12,13	9,10,11,12
	11,13,14			8,11,12	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
Q372L8	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
QDLVTU	<i>Identifiler® Plus</i>					
4e		[23],25,25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11,11	[14],15,16,[17]
R9QLZ8	<i>Identifiler® Plus</i>					
4e	-	23,25	-	15,16	11,12,13	9,10,11,12
	11,13,14,16	-	-	8,11,12	11,12	15,16,17
	13,15.2	28,30,31.2,32	-	X,Y	10,11,12	20,21,25
	-	-	-	7,9,10	8,11	14,15,16,17
RD62V6	<i>PowerPlex® 21</i>					
4e	14,16	25		15,16	12,13	10,12
	13,14		20	11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
	11,12	12		7,9	11	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 4e - STR Results

RJBQEX	<i>Identifiler®</i>					
	4e	23,25		15,16	11,12,13	9,10,11,12
		11,13,14,16		8,11,12	11,12	15,16,17
		13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25
			7,9,10	8,11	14,15,16,17	
RK3QCA	<i>Identifiler®</i>					
	4e	-	25,25	-	15,16	12,13
		13,14	-	-	11,11	11,12
		13,15.2	30,32	-	X,X	10,12
	-	-	-	7,9	11,11	
RL9DMT	<i>Identifiler®</i>					
	4e	[23],25		15,16	[11],12,13	[9],10,[11],12
		[11],13,14,[16]		[8],11,[12]	11,12	15,16,[17]
		13,15.2,[16]	[28],30,[31.2],32	X,[Y]	10,[11],12	[20],21,25
			7,9,[10]	[8],11	15,16,[17]	
RNXK64	<i>Globalfiler</i>					
	4e	[11],14,[15],16	[23],[25],25,25	[11],12,14,[14]	15,16	11,12,13
		[11],13,14,[16]	[12],13,13,[15]	[19],20,20,[22]	[8],11,11,[12]	11,12
		13,15.2,[15.2],[16]	[28],30,[31.2],32	15,16	X,X,[X],[Y]	10,[11],12,[12]
			23.2,28.2,[29.2],[30.2]	7,9,[9],[10]	[8],[11],11,11	
					[14],15,16,[17]	
RVYUF3	<i>Profiler® Plus</i>					
	4e			15,16	11,12,13	9,10,11,12
		11,13,14,16		8,11,12		15,16,17
			28,30,31.2,32	X,Y		20,21,25
					14,15,16,17	
RVYW4L	<i>COfiler® and Profiler Plus®</i>					
	4e			15,16	[11],12,13	[9],10,[11],12
		[11],13,14,[16]		[8],11,[12]	11,12	15,16,[17]
			[28],30,[31.2],32	X,[Y]	10,[11],12	[20],21,25
			7,9,[10]	11	[14],15,16,[17]	
RX2W2X	<i>PowerPlex® 16</i>					
	4e			15,16	11,12,13	9,10,11,12
		11,13,14,16		8,11,12	11,12	15,16,17
			28,30,31.2,32	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	
					14,15,16,17	
RYXDDV	<i>Identifiler®</i>					
	4e	23,25		15,16	11,12,13	9,10,11,12
		11,13,14,16		8,11,12	11,12	15,16,17
		13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25
			7,9,10	8,11	14,15,16,17	
TC3L26	<i>Identifiler® Plus</i>					
	4e	23,25		15,16	11,12,13	9,10,11,12
		11,13,14,16		8,11,12	11,12	15,16,17
		13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25
			7,9,10	8,11	14,15,16,17	

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 4e - STR Results

TW97VJ	PowerPlex® 16 HS					
4e				15,16	[11],12,[13]	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
		[28],30,[31.2],32		X,[Y]	10,[11],12	[20],21,[25]
	[9],11,12,[13]	[11],12,[15]		7,9,[10]	[8],11	[14],15,16,[17]
U8Q8NY	PowerPlex® 16					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
U9YHJG	Identifiler® Plus					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
UDU9QD	Identifiler® Identifiler[sic] Plus					
4e		(23),25		15,16	12,13	10,(11),12
	(11),13,14,(16)			(8),11	11,12	15,16
	13,15.2	(28),30,(31.2),32		X,X	10,12	21,25
				7,9,(10)	11	15,16
UHMBTR	Identifiler® Plus					
4e		[23],25,25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32		X,X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11,11	[14],15,16,[17]
UJGYA3	Identifiler®					
4e		[23],25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,[16]	[28],30,[31.2],32		X,[Y]	10,[11],12	20,21,25
				7,9,[10]	[8],11	[14],15,16,[17]
UJHQ8B	COfiler® and Profiler Plus®					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
UJLT2	PowerPlex® FUSION					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
UJQ6P	PowerPlex® Fusion					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17

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 4e - STR Results

UUD3DW	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,12	20,21,25
	9,11,12,13	11,12		7,9,10	8,11	14,15,16,17
UYRH8U	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			11	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X	10,11,12	20,21,25
				7,9,10	8,11	15,16,17
UZ3MJX	<i>PowerPlex® 16</i>					
4e				15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
		30,[31.2],32		X,[Y]	10,12	[20],21,25
	11,12,[13]	12,[15]		7,9,[10]	[8],11	15,16
UZ4FG6	<i>Identifiler® Plus</i>					
4e		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X,X	10,12	21,25
				7,9	11	15,16
V9FTWF	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
VJAAJV	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,12	20,21,25
	9,11,12	11,12		7,9	11	15,16
VJEQHU	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16
VXUPR2	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
W7836Q	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17

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 4e - STR Results

W7MJ36	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]	N/A	N/A	[8],11,[12]	[11],12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],[32]	N/A	X,[Y]	10,[11],12	[20],21,25
	N/A	N/A	N/A	7,9,[10]	[8],11	[14],15,16,[17]
WB6BC	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
WTWRDU	<i>PowerPlex® 16</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17
WUT3D4	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
XHRYLE	<i>Identifiler® Plus</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
XHTU87	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,[13]	[9],10,[11],12
	[11],13,14,[16]	N/A	N/A	[8],11,[12]	[11],12	15,[16],[17]
	13,15.2,[16]	[28],30,[31.2],[32]	N/A	X,[Y]	10,[11],12	[20],21,25
	N/A	N/A	N/A	[7],9,[10]	[8],11	[14],15,16,[17]
XRK877	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]	N/A	N/A	[8],11,[12]	11,12	15,16,[17]
	13,15.2	[28],30,32	N/A	X	10,[11],12	21,25
	N/A	N/A	N/A	7,9,[10]	[8],11	15,16,[17]
XTTH6U	<i>Identifiler®</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],[32]		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	[14],15,16,[17]
XU66VW	<i>Identifiler®</i>					
4e		[23],25		15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]			[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],[32]		X,[Y]	10,[11],12	[20],21,25
				7,9,[10]	[8],11	[14],15,16,[17]

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 4e - STR Results

XXMJZH	<i>Identifiler®</i>					
4e		25		15,16	12,13	10,12
	13,14			11	11,12	15,16
	13,15.2	30,32		X	10,12	21,25
				7,9	11	15,16
XYJYDE	<i>COfiler® and Profiler Plus®</i>					
4e				15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
		28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
XYLHJQ	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,[24]*,25
				7,9,10	8,11	14,15,16,17
Y9LC99	<i>PowerPlex® Fusion, GlobalFiler</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15	23.2,28.2,29.2,30.2	7,9,10	8,11	14,15,16,17
YP8ZJ4	<i>Identifiler®</i>					
4e	N/A	[23],25	N/A	15,16	[11],12,13	[9],10,[11],12
	[11],13,14,[16]	N/A	N/A	[8],11,[12]	11,12	15,16,[17]
	13,15.2,[16]	[28],30,[31.2],32	N/A	X,[Y]	10,[11],12	[20],21,[25]
	N/A	N/A	N/A	7,9,[10]	[8],11	[14],15,16,[17]
YTAZEU	<i>PowerPlex® 16</i>					
4e				15,16	[11],12,13	[9],10,[11],12
	13,14			11	11,12	15,16
		30,32		X,X	10,12	21,25
	11,12	12		7,9	11	15,16
Z7BUNH	<i>Identifiler®</i>					
4e		23,25		15,16	11,12,13	9,10,11,12
	11,13,14,16			8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32		X,Y	10,11,12	20,21,25
				7,9,10	8,11	14,15,16,17
Z86KUW	<i>Globalfiler</i>					
4e	[11],14,[15],16	[23],25,25,[25]	[11],12,14,[14]	15,16	[11],12,[12],13	[9],10,[11],12
	[11],13,14,[16]	[12],13,13,[15]	[19],20,20,[22]	[8],11,11,[12]	11,12	15,[15],16,[17]
	13,15.2,[15.2],[16]	[28],30,[31.2],32	15,16	X,X,[X],[Y]	10,11,12	[20],21,[21],25
			23.2,28.2,[29.2],[30.2]	7,9,10	[8],11,11,[11]	[14],15,16,[17]
ZNAAN9	<i>PowerPlex® Fusion</i>					
4e	11,14,15,16	23,25	11,12,14	15,16	11,12,13	9,10,11,12
	11,13,14,16	12,13,15	19,20,22	8,11,12	11,12	15,16,17
	13,15.2,16	28,30,31.2,32	15,16	X,Y	10,11,12	20,21,25
	9,11,12,13	11,12,15		7,9,10	8,11	14,15,16,17

TABLE 1

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

Item 4e - STR Results

ZVTEHU	<i>Identifiler® , MiniFiler</i>					
4e	[23],25		15,16	11,12,13	[9],10,[11],12	
	[11],13,14,[16]		[8],11,[12]	11,12	15,16,[17]	
	13,15.2,[16]	[28],30,[31.2],32	X,[Y]	10,[11],12	20,21,25	
			7,9,10	[8],11	[14],15,16,[17]	
ZX2HEQ	<i>Identifiler®</i>					
4e	23,25		15,16	11,12,13	9,10,11,12	
	11,13,14,16		8,11,12	11,12	15,16,17	
	13,15.2,16	28,30,31.2,32	X,Y	10,11,12	20,21,25	
			7,9,10	8,11	14,15,16,17	

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 4sp - STR Results

2A6ADG	Globalfiler					
4sp		11,15	23,25	11,14	15,16	11,12
		11,16	12,15	19,22	8,12	12
		15.2,16	28,31.2	15	X,Y	11,12
				29.2,30.2	9,10	8,11
						9,11
						15,17
						20,21
						14,17
2BYXUR	PowerPlex® 16					
4sp					15,16	11,12
		11,16			8,12	12
			28,31.2		X,Y	11,12
		9,13	11,15		9,10	8,11
						9,11
						15,17
						20,21
						14,17
2CUGXD	Identifiler®					
4sp			23,25		15,16	11,12
		11,16			8,12	12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						9,11
						15,17
						20,21
						14,17
2ZGG47	Identifiler® Plus					
4sp			23,25		15,16	11,12
		11,16			8,12	12
		15.2,16	28,31.2		X,Y	11,12
					9,10	8,11
						9,11
						15,17
						20,21
						14,17
32QLCM	PowerPlex® 16					
4sp					15,16	11,12
		11,16			8,12	12
			28,31.2		X,Y	11,12
		9,13	11,15		9,10	8,11
						9,11
						15,17
						20,21
						14,17
34CPPR	COfiler® and Profiler Plus®					
4sp					15,16	11,12
		11,16			8,12	12
			28,31.2		X,Y	11,12
						9,11
						15,17
						20,21
						14,17
3CT4RW	Identifiler® Plus					
4sp		-	23,25	-	15,16	11,12
		11,16	-	-	8,12	12
		15.2,16	28,31.2	-	X,Y	11,12
		-	-	-	9,10	8,11
						9,11
						15,17
						20,21
						14,17
3FNZBW	PowerPlex® 16					
4sp					15,16	11,12
		11,16			8,12	12
			28,31.2		X,Y	11,12
		9,13	11,15		9,10	8,11
						9,11
						15,17
						20,21
						14,17
3FTCW8	PowerPlex® 16					
4sp					15,16	11,12
		11,16			8,12	12,12
			28,31.2		X,Y	11,12
		9,13	11,15		9,10	8,11
						9,11
						15,17
						20,21
						14,17

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 4sp - STR Results

4KEMLV	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4MMVW2						
4sp	11,15	23,25		15,16	11,12	9,11
	11,16		19,22	8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4TV4FQ	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
4UPQUF	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4VJGZU	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
4YHTVU	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
6RVMED	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
6TPDJR	<i>Identifiler Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
6WQELA	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

77WFM2	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
7C28XK	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
7GTJQV	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
7LRQGY	<i>GlobalFiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17
7QXPMH	<i>PowerPlex® 16</i>					
4sp	11,15	23,25	11,14	15,16		
	11,16	12,15	19,22		12	15,17
	15.2,16	28,31.2	15	X,Y		20,21
				9,10		14,17
7W7Q9L	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
87U4KQ	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
8HFHHY	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
8RPR8C	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

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 4sp - STR Results

8YR2CJ	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
92C8C8	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
96CGH3	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,[10],11
	11,[14],16			8,[11],12	12	15,17
	15.2,16	28,[30],31.2		X,Y	[10],11,12	20,21
				[7],9,10	8,11	14,[15],17
9K3GBM	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
9R3ZCX	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
9R4VWN	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
9YNY37	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
9ZGP9K	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
ADJFR4	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

AJLPVB	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
ALXE6F	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
AMK6ZT	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
AR2G8U	<i>PowerPlex® 21</i>					
4sp	11,15	23,25		15,16	11,12	9,11
	11,16		19,22	8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
ATBDTY	<i>PowerPlex® FUSION</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
B7WA83	<i>Globalfiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17
BAF47N	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
BEQCAD	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
BRF9DW	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

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 4sp - STR Results

CD9MNC	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DA68RU	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DBHWYD	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DCEGKR	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DVAPZB	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
DY92ZG	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
EA32QQ	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
ECT6JX	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
EKPTJA	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

EZXUBQ	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
F8PUYG	<i>PowerPlex® 16 HS</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
F8QLWP	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
FEBMEM	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
FJ7BVU	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
FK2YAJ	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
FKFJXM	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
FLWHD7	<i>Identifiler® Identifiler Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
FRZJFL	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

TABLE 1

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

Item 4sp - STR Results

FUNVD7	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
FXPY6T	<i>PowerPlex® Fusion, GlobalFiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17
GJ6TEB	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
GTPCNA	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
GWRBY3	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
GXL26G	<i>PowerPlex® 16 HS</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
H2W7H3	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
H79ELR	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,13,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
HKCH98	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

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 4sp - STR Results

HP6FZJ	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
HUEXU7	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
HY9W92	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
HZ3MEF	<i>PowerPlex® 16 HS</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
J7RHVD	<i>Investigator® IDplex Plus Kit</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
JHGEWC	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
JVLK2H	<i>PowerPlex® FUSION 6C</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17
JXXABM	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
KALRL7	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

KLW993	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
KMRRDP	<i>PowerPlex® 16 HS</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,[17]
		28,31.2		X,Y	11,12	20,[21]
	9,13	11,[15]		9,10	8,11	14,17
KURBBE	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
KVMUEZ	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
L3EPRP	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
L3FJCG	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
L64VA2	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,14,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
LJML94	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
LK4TF7	<i>Identifiler® , MiniFiler</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

LVM6U4	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
M22ECX	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
M7GPRM	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
M7W7MF	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
M9KMY9	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
MU4PT8	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
N8MMH9	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
ND9MRU	<i>Globalfiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	NA	NA	29.2,30.2	9,10	8,11	14,17
NQZBPE	<i>PowerPlex® 16 HS, ESX,ESI,CS7</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17

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 4sp - STR Results

NRRAY8	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
P2A963	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
PCAW27	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15	-	9,10	8,11	14,17
PTKMY6	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
PZK2MQ	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
Q372L8	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
QDLVTU	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
R9QLZ8	<i>Identifiler® Plus</i>					
4sp	-	23,25	-	15,16	11,12	9,11
	11,16	-	-	8,12	12	15,17
	15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17
RD62V6	<i>PowerPlex® 21</i>					
4sp	11,15	23,25		15,16	11,12	9,11
	11,16		19,22	8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

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 4sp - STR Results

RJBQEX	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
RK3QCA	<i>Identifiler®</i>					
4sp	-	23,25	-	15,16	11,12	9,11
	11,16	-	-	8,12	12,12	15,17
	15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17
RL9DMT	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
RNXK64	<i>Globalfiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17
RVYUF3	<i>Profiler® Plus</i>					
4sp				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
RVYW4L	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
RX2W2X	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
RYXDDV	<i>Identifiler®</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
TC3L26	<i>Identifiler® Plus</i>					
4sp	23,25			15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

TW97VJ	<i>PowerPlex® 16 HS</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
U8Q8NY	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
U9YHJG	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UDU9QD	<i>Identifiler® Indentifiler[sic] Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UHMBTR	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12,12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UJGYA3	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UJHQ8B	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UJLT2	<i>PowerPlex® FUSION</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UJQ6P	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

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 4sp - STR Results

UUD3DW	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UYRH8U	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
UZ3MJX	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
UZ4FG6	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
V9FTWF	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
VJAAJV	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
VJEQHU	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
VXUPR2	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
W7836Q	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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 4sp - STR Results

W7MJ36	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
WB66BC	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
WTWRDU	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
WUT3D4	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XHRYLE	<i>Identifiler® Plus</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XHTU87	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
XRK877	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
XTTH6U	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XU66VW	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

TABLE 1

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

Item 4sp - STR Results

XXMJZH	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XYJYDE	<i>COfiler® and Profiler Plus®</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12,12	15,17
		28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
XYLHJQ	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
Y9LC99	<i>PowerPlex® Fusion, GlobalFiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17
YP8ZJ4	<i>Identifiler®</i>					
4sp	N/A	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	N/A	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	N/A	N/A	N/A	9,10	8,11	14,17
YTAZEU	<i>PowerPlex® 16</i>					
4sp				15,16	11,12	9,11
	11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17
Z7BUNH	<i>Identifiler®</i>					
4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
Z86KUW	<i>Globalfiler</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17
ZNAAN9	<i>PowerPlex® Fusion</i>					
4sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12	15,17
	15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17

TABLE 1

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

Item 4sp - STR Results

ZVTEHU *Identifiler® , MiniFiler*

4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

ZX2HEQ *Identifiler®*

4sp		23,25		15,16	11,12	9,11
	11,16			8,12	12	15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17

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

2A6ADG	Globalfiler 1								

3CT4RW	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

4KEMLV	PowerPlex Fusion 1							NR	

77WFM2	PowerPlex Fusion 1							NR	

ATBDTY	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

BRF9DW	PowerPlex Fusion 1							NR	

FUNVD7	1	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
		Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed

FXPY6T	PowerPlex Fusion, GlobalFiler 1							NR	
									NR

JHGEWC	Yfiler® 1								

KVMUEZ	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

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

M7GPRM	PowerPlex® Fusion 1	NR							
PCAW27	Yfiler® 1	ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND	-	-
		-	-	-	ND	-	ND	-	-
R9QLZ8	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
UJILT2	Yfiler® , PowerPlex® Y 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
UZ4FG6	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Y9LC99	PowerPlex Fusion, GlobalFiler 1	NR							
		NR							
ZNAAN9	PowerPlex Fusion 1	NR							

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

2A6ADG	Globalfiler 2						11		
								2	
2ZGG47	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3CT4RW	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
4KEMLV	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
4UPQUF	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
4YHTVU	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
6RVMED	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
77WFM2	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7C28XK	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7GTJQV	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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

7LRQGY	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
87U4KQ	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8HFHHY	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8RPR8C	PowerPlex® Y Y23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8YR2CJ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
96CGH3	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9K3GBM	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9R3ZCX	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9R4VWN	Fusion 2						11		
AJLPVB	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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

ATBDTY	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
B7WA83	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12	2	
BAF47N	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
BRF9DW	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
DA68RU	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
DBHWDY	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
DY92ZG	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
ER24JN	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
EZSUBQ	PowerPlex® Y Y23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
F8PUYG	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						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

F8QLWP	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FK2YAJ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FLWHD7	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FRZJFL	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FUNVD7	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FXPY6T	Yfiler®, GlobalFiler 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	
GJ6TEB	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GWRBY3	2						11		
GXL26G	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
H2W7H3	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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

H79ELR	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
HP6FZJ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
HZ3MEF	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
J7RHVD	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
JHGEWC	Yfiler®	2	14	11-13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JVLK2H	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
KLW993	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
KMRRDP	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
KVMUEZ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
LK4TF7	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						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

M22ECX	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
M7GPRM	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
MDDP39	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
MU4PT8	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N8MMH9	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
ND9MRU	2						11		
								2	
NQZBPE	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
NRRAY8	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
PCAW27	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
Q372L8	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	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

QDLVTU	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
R9QLZ8	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
RD62V6	Yfiler® plus 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
			17	18	23		12		
RL9DMT	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
RNXX64	2						11		
								2	
TC3L26	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
TW97VJ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
U9YHJG	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UDU9QD	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UHMBTR	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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

UJGYA3	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UJILT2	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UJQ6P	PowerPlex® Y Y23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
UZ4FG6	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
V9FTWF	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VJEQUH	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VXUPR2	2						11		
WBY6BC	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
WUT3D4	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
XHRYLE	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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

XU66VW	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
XU9NHY	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
XYLHJQ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
Y9LC99	Yfiler® , GlobalFiler 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	
Z86KUW	2						11		
								2	
ZNAAN9	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ZVTEHU	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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

3CT4RW	Yfiler®								
	3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

4KEMLV	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		

4UPQUF	PowerPlex® Y 23								
	3								

6RVMED	PowerPlex® Y 23								
	3								

77WFM2	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		

8RPR8C	PowerPlex® Y Y23								
	3								

ATBDTY	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		

BRF9DW	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		

FLWHD7	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		

FUNVD7	Yfiler®								
	3	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
		No Results	No Results	No Results	No Results	No Results	No 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 3 - YSTR Results

FXPY6T	Yfiler® , GlobalFiler	3	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR		
						NR		NR	NR	
H2W7H3	Yfiler®	3	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
			No Results	No Results	No Results	No Results	No Results	No Results		
						No Results		No Results		
H79ELR	PowerPlex® Y 23	3								
JHGEWC	Yfiler®	3								
KLW993	Yfiler®	3	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR		
						NR		NR		
KMRRDP	Yfiler®	3	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR		
						NR		NR		
KVMUEZ	Yfiler®	3	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR		
						NR		NR		
M22ECX	Yfiler®	3	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR		
						NR		NR		
M7GPRM	Yfiler®	3	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR		
						NR		NR		
PCAW27	Yfiler®	3	ND	ND	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND	-	-
			-	-	-	ND	-	ND	-	

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

QDLVTU	Yfiler® 3								

R9QLZ8	Yfiler® 3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

TW97VJ	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

UHMBTR	Yfiler® 3	No result	No result	No result	No result	No result	No result	No result	No result
		No result	No result	No result	No result	No result	No result		
					No result		No result		

UJLJ2	Yfiler® 3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-		
					-		-		

UJQ6P	PowerPlex® Y Y23 3								

UZ4FG6	Yfiler® 3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-		
					-		-		

Y9LC99	Yfiler® , GlobalFiler 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR	NR	

ZNAAN9	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

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 3e - YSTR Results

JVLK2H	PowerPlex® Y 23								
	3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

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 3sp - YSTR Results

JVLK2H	PowerPlex® Y 23								
	3sp	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

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

ER24JN	PowerPlex® Y 23	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
MDDP39	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
XU9NHY	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						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 4e - YSTR Results

2A6ADG	4e	(11)							
		(2)							
2ZGG47	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3CT4RW	Yfiler® 4e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
4KEMLV	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
4UPQUF	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
4YHTVU	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
6RVMED	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
77WFM2	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7C28XK	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7GTJQV	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4e - YSTR Results

7LRQGY	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8HFHHY	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8RPR8C	PowerPlex® Y Y23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8YR2CJ	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
96CGH3	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9K3GBM	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9R3ZCX	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9R4VWN	Fusion 4e						11		
AJLPVB	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ATBDTY	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4e - YSTR Results

B7WA83	Yfiler®								
	4e								

BAF47N	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			

BRF9DW	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			

DA68RU	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			

DBHWD	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			

DY92ZG	Yfiler®								
	4e								

EZSUBQ	PowerPlex® Y Y23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

F8PUYG	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			

F8QLWP	Yfiler®								
	4e								

FK2YAJ	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				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 4e - YSTR Results

FLWHD7	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

FRZJFL	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

FUNVD7	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

FXPY6T	Yfiler® , GlobalFiler 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	

GJ6TEB	Yfiler® 4e								

GWRBY3	4e						11		

GXL26G	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

H2W7H3	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

H79ELR	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

HP6FZJ	Yfiler® 4e								

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 4e - YSTR Results

HZ3MEF	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

J7RHVD	PowerPlex® Y 23 4e								

JHGEWC	Yfiler® 4e	14	11-13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

JVLK2H	PowerPlex® Y Y23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

KLW993	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

KMRRDP	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

KVMUEZ	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

LK4TF7	Yfiler® 4e								

M22ECX	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

M7GPRM	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4e - YSTR Results

MU4PT8	Yfiler®								
	4e								

ND9MRU	4e						[11]		
								[2]	

NQZBPE	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

PCAW27	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-

QDLVTU	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

R9QLZ8	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-

RD62V6	Yfiler® plus								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
			17	18	23		12		

RL9DMT	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

RNXK64	4e						[11]		
								[2]	

TW97VJ	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4e - YSTR Results

U9YHJG	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UDU9QD	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UHMBTR	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UJILT2	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UJJQ6P	PowerPlex® Y Y23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
UZ4FG6	Yfiler® 4e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
V9FTWF	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VJEQHU	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VXUPR2	4e						11		
WBY6BC	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4e - YSTR Results

WUT3D4	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

XHRYLE	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

XU66VW	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

XYLHJQ	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

Y9LC99	Yfiler® , GlobalFiler 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	

Z86KUW	4e	[11]							
		[2]							

ZNAAN9	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

ZVTEHU	Yfiler® 4e								

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 4sp - YSTR Results

2A6ADG	4sp	11							
		2							
2ZGG47	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
						23	12		
3CT4RW	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
4KEMLV	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
						23	12		
4UPQUF	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
4YHTVU	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
						23	12		
6RVMED	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
77WFM2	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
						23	12		
7C28XK	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
						23	12		
7GTJQV	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
						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 4sp - YSTR Results

7LRQGY	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
87U4KQ	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8HFHHY	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8RPR8C	PowerPlex® Y Y23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8YR2CJ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
96CGH3	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9K3GBM	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9R3ZCX	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9R4VWN	Fusion 4sp						11		
AJLPVB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4sp - YSTR Results

ATBDTY	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
B7WA83	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	
BAF47N	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
BRF9DW	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
DA68RU	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
DBHMYD	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
DY92ZG	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
EZSUBQ	PowerPlex® Y Y23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
F8PUYG	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
F8QLWP	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4sp - YSTR Results

FK2YAJ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FLWHD7	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FRZJFL	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FUNVD7	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FXPY6T	Yfiler® , GlobalFiler 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	
GJ6TEB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GWRBY3	4sp						11		
GXL26G	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
H2W7H3	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
H79ELR	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	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 4sp - YSTR Results

HP6FZJ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
HZ3MEF	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
J7RHVD	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
JHGEWC	Yfiler® 4sp	14	11-13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
JVLK2H	PowerPlex® Y Y23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
KLW993	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
KMRRDP	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
KVMUEZ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
LK4TF7	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
M22ECX	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4sp - YSTR Results

M7GPRM	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
MU4PT8	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N8MMH9	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
ND9MRU	4sp						11		
								2	
NQZBPE	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
PCAW27	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
Q372L8	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QDLVTU	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
R9QLZ8	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
RD62V6	Yfiler® plus 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
			17	18	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 4sp - YSTR Results

RL9DMT	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
RNXX64	4sp						11		
								2	
TC3L26	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
TW97VJ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
U9YHJG	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UDU9QD	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UHMBTR	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UJLT2	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UJQ6P	PowerPlex® Y Y23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
UZ4FG6	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4sp - YSTR Results

V9FTWF	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
VJEQHU	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
VXUPR2	4sp						11		
WBY6BC	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
WUT3D4	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
XHRYLE	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
XU66VW	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
XYLHJQ	Yfiler®								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
Y9LC99	Yfiler® , GlobalFiler								
	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12	2		
Z86KUW	4sp						11		
								2	

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 4sp - YSTR Results

ZNAAN9	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ZVTEHU	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 4e	Item 4sp
D6S1043	4MMVW2	11,12	11,17	11,12	11,12,17	11,17
	AR2G8U	11,12	11,17	11,12	11,12,17	11,17
	RD62V6	11,12	11,17	11,12	11,12	11,17
DYF387S1	RD62V6		36,37		36,37	36,37
DYS391	4KEMLV		11	NR	[11]	11
	4UPQUF		11		11	11
	6RVMED		11		11	11
	77WFM2		11	NR	11	11
	8RPR8C		11		11	11
	ATBDTY	NR	11	NR	11	11
	BRF9DW		11	NR	[11]	11
	F8QLWP		11		11	11
	FXPY6T		11	NR	NR	11
	H79ELR		11		11	11
	M7GPRM		11	NR	[11]	11
	PCAW27	ND	11,11	ND	11,11	11,11
	UJLT2	-	11,11	-	11,11	11,11
	UJQ6P		11		11	11
	Y9LC99		11	NR	11	11
ZNAAN9		11	NR	11	11	
DYS449	RD62V6		31		31	31
DYS460	RD62V6		11		11	11
DYS518	RD62V6		40		40	40
DYS627	RD62V6		21		21	21
F13AO1	NQZBPE	6,11	3,2,5	6,11	3,2,5,6,11	3,2,5
F13B	NQZBPE	10	9	10	9,10	9
FESFPS	NQZBPE	10,11	12	10,11	10,11,12	12
LPL	NQZBPE	10,11	10	10,11	10,11	10
PENTA C	NQZBPE	11	9,11	11	9,11	9,11

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
2A6ADG	Yes	Yes	No	Yes	77WFM2	Yes	Yes	No	Yes
2BYXUR	Yes	Yes	No	Yes	7C28XK	Yes	Yes	No	Yes
2CUGXD	Yes	Yes	No	Yes	7GTJQV	Yes	Yes	No	Yes
2ZGG47	Yes	Yes	No	Yes	7LRQGY	Yes	Yes	No	Yes
32QLCM	Yes	Yes	No	Yes	7QXPMH	Yes	Yes	No	Yes
34CPR	Yes	Yes	No	Yes	7W7Q9L	Yes	Yes	No	Yes
3CT4RW	Yes	Yes	No	Yes	87U4KQ	Yes	Yes	No	Yes
3FNZBW	Yes	Yes	No	Yes	8HFHHY	Yes	Yes	No	Yes
3FTCW8	Yes	Yes	No	Yes	8RPR8C	Yes	Yes	No	Yes
4KEMLV	Yes	Yes	No	Yes	8YR2CJ	Yes	Yes	No	Yes
4MMVW2	Yes	Yes	No	Yes	92C8C8	Yes	Yes	No	Yes
4TV4FQ	Yes	Yes	No	Yes	96CGH3	Yes	Yes	No	Yes
4UPQUF	Yes	Yes	No	Yes	9K3GBM	Yes	Yes	No	Yes
4VJGZU	Yes	Yes	No	Yes	9R3ZCX	Yes	Yes	No	Yes
4YHTVU	Yes	Yes	No	Yes	9R4VWN	Yes	Yes	No	Yes
6RVMED	Yes	Yes	No	Yes	9YNY37	Yes	Yes	No	Yes
6TPDJR	Yes	Yes	No	Yes	9ZGP9K	Yes	Yes	No	Yes
6WQELA	Yes	Yes	No	Yes	ADJFR4	Yes	Yes	No	Yes

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
AJLPVB	Yes	Yes	No	Yes	F8PUYG	Yes	Yes	No	Yes
ALXE6F	Yes	Yes	No	Yes	F8QLWP	Yes	Yes	No	Yes
AMK6ZT	Yes	Yes	No	Yes	FEBMEM	Yes	Yes	No	Yes
AR2G8U	Yes	Yes	No	Yes	FJ7BVU	Yes	Yes	No	Yes
ATBDTY	Yes	Yes	No	Yes	FK2YAJ	Yes	Yes	No	Yes
B7WA83	Yes	Yes	No	Yes	FKFJXM	Yes	Yes	No	Yes
BAF47N	Yes	Yes	No	Yes	FLWHD7	Yes	Yes	No	Yes
BEQCAD	Yes	Yes	No	Yes	FRZJFL	Yes	Yes	No	Yes
BRF9DW	Yes	Yes	No	Yes	FUNVD7	Yes	Yes	No	Yes
CD9MNC	Yes	Yes	No	Yes	FXPY6T	Yes	Yes	No	Yes
DA68RU	Yes	Yes	No	Yes	GJ6TEB	Yes	Yes	No	Yes
DBHWYD	Yes	Yes	No	Yes	GTPCNA	Yes	Yes	No	Yes
DCEGKR	Yes	Yes	No	Yes	GWRBY3	Yes	Yes	No	Yes
DVAPZB	Yes	Yes	No	Yes	GXL26G	Yes	Yes	No	Yes
DY92ZG	Yes	Yes	No	Yes	H2W7H3	Yes	Yes	No	Yes
EA32QQ	Yes	Yes	No	Yes	H79ELR	Yes	Yes	No	Yes
ECT6JX	Yes	Yes	No	Yes	H9YD2C	Yes	Yes	No	Yes
EKPTJA	Yes	Yes	No	Yes	HKCH98	Yes	Yes	No	Yes
ER24JN	Yes	Yes	No	Yes	HP6FZJ	Yes	Yes	No	Yes
EZXUBQ	Yes	Yes	No	Yes	HUEXU7	Yes	Yes	No	Yes

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
HY9W92	Yes	Yes	No	Yes	M9KMY9	Yes	Yes	No	Yes
HZ3MEF	Yes	Yes	No	Yes	MDDP39	Yes		No	Yes
J7RHVD	Yes	Yes	No	Yes	MU4PT8	Yes	Yes	No	Yes
JHGEWC	Yes	Yes	No	Yes	MVEHU2	Yes	Yes	No	Yes
JVLK2H	Yes	Yes	No	Yes	N8MMH9	Yes	Yes	No	Yes
JXXABM	Yes	Yes	No	Yes	ND9MRU	Yes	Yes	No	Yes
KALRL7	Yes	Yes	No	Yes	NQZBPE	Yes	Yes	No	Yes
KLW993	No Interpretations Reported, DNA Analyzed for Database purposes only.				NRRAY8	Yes	Yes	No	Yes
KMRRDP	Yes	Yes	No	Yes	P2A963	Yes	Yes	No	Yes
KURBBE	Yes	Yes	No	Yes	PCAW27	Yes	Yes	No	Yes
KVMUEZ	Yes	Yes	No	Yes	PTKMY6	Yes	Yes	No	Yes
L3EPRP	Yes	Yes	No	Yes	PZK2MQ	Yes	Yes	No	Yes
L3FJCG	Yes	Yes	No	Yes	Q372L8	Yes	Yes	No	Yes
L64VA2	Yes	Yes	No	Yes	QDLVTU	Yes	Yes	No	Yes
LJML94	Yes	Yes	No	Yes	R9QLZ8	Yes	Yes	No	Yes
LK4TF7	Yes	Yes	No	Yes	RD62V6	Yes	Yes	No	Yes
LVM6U4	Yes	Yes	No	Yes	RJBQEX	Yes	Yes	No	Yes
M22ECX	Yes	Yes	No	Yes	RK3QCA	Yes	Yes	No	Yes
M7GPRM	Yes	Yes	No	Yes	RL9DMT	Yes	Yes	No	Yes
M7W7MF	Yes	Yes	No	Yes	RNXK64	Yes	Yes	No	Yes

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
RVYUF3	Yes	Yes, 4e; No, 4sp	No	Yes,4e +4sp	VJEQHU	Yes	Yes	No	Yes
RVYW4L	Yes	Yes	No	Yes	VXUPR2	Inc	Yes	Inc	Yes
RX2W2X	Yes	Yes	No	Yes	W7836Q	Yes	Yes	No	Yes
RXDDV	Yes	Yes	No	Yes	W7MJ36	Yes	Yes	No	Yes
TC3L26	Yes	Yes	No	Yes	WBY6BC	Yes	Yes	No	Yes
TW97VJ	Yes	Yes	No	Yes	WTWRDU	Yes	Yes	No	Yes
U8Q8NY	Yes	Yes	No	Yes	WUT3D4	Yes	Yes	No	Yes
U9YHJG	Yes	Yes	No	Yes	XHRYLE	Yes	Yes	No	Yes
UDU9QD	Yes	Yes	No	Yes	XHTU87	Yes	Yes	No	Yes
UHMBTR	Yes	Yes	No	Yes	XRK877	Yes	Yes	No	Yes
UJGYA3	Yes	Yes	No	Yes	XTTH6U	Yes	Yes	No	Yes
UJHQ8B	Yes	Yes	No	Yes	XU66VW	Yes	Yes	No	Yes
UJJLT2	Yes	Yes	No	Yes	XU9NHY	Yes		No	Yes
UJJQ6P	Yes	Yes	No	Yes	XXMJZH	Yes	Yes	No	Yes
UUD3DW	Yes	Yes	No	Yes	XYJYDE	Yes	Yes	No	Yes
UYRH8U	Yes	Yes	No	Yes	XYLHJQ	Yes	Yes	No	Yes
UZ3MJX	Yes	Yes	No	Yes	Y9LC99	Yes	Yes	No	Yes
UZ4FG6	Yes	Yes	No	Yes	YP8ZJ4	Yes	Yes	No	Yes
V9FTWF	Yes	Yes	No	Yes	YTAZEU	Yes	Yes	No	Yes
VJAAJV	Yes	Yes	No	Yes	Z7BUNH	Yes	Yes	No	Yes

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
Z86KUW	Yes	Yes	No	Yes					
ZNAAN9	Yes	Yes	No	Yes					
ZVTEHU	Yes	Yes	No	Yes					
ZX2HEQ	Yes	Yes	No	Yes					

Response Summary

Participants reporting DNA results: 160

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)?

Responses	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4
Yes	158	157	0	159
No	0	0	158	0
Inc	1	0	1	0

Participants not reporting Interpretation results: 1

Additional Comments

TABLE 5

WebCode	Additional Comments
MVEHU2	For Item 4, victime[sic] profile correspond to the major profile, while the minor profile correspond to the suspect profile.
XYLHJQ	*The 24 allele in FGA calling in sample 4e is consistent with high stutter. Given that the peak is above our set stutter filter for the locus and that it is an unknown mixture sample, it is our lab policy to call the allele (but note that it may be explained as possible stutter from the major profile allele 25 in the mixture.
ALXE6F	*The 24 allele at FGA for Item 4e is consistent with high stutter. Our laboratory's protocols dictate that we call ambiguous peaks as alleles if the sample profile is a mixture.
7W7Q9L	* The 24 at FGA in the sperm fraction of Item 4 is possibly high stutter. The stutter cutoff at our lab for FGA is 15% and the 24 is at 15.1%. There is a major female profile in the non-sperm fraction. The 24 is the only call in the minor alleles of Item 4 non-sperm fraction not consistent with the sperm fraction of this same item.
LK4TF7	Minifiler results concordant with Identifiler results for Items 3, 4-1F, and 4-1M.
MDDP39	Protocols for the DNA analysis of missing persons and unidentified human remains samples were used for this proficiency test. The autosomal DNA results obtained for Item 4 were not interpreted because autosomal DNA profiles that are indicative of mixtures are not interpreted as per the protocols mentioned above. Item 2 was considered to be a contributor to Item 4 based on the matching Y-chromosomal DNA profiles obtained from Items 2 and 4. The Identifiler Plus and Minifiler results were concordant for Items 3 and 4 except for Item 4 at the FGA locus. Item 4 at FGA (Identifiler Plus): 20,21,24,25. Item 4 at FGA (Minifiler): 20,21,25. The 24 allele peak at FGA for Item 4 (50rfu) barely meets the minimum detection threshold (MDT) of 50 rfu set by our laboratory for the Identifiler kit and is also in a stutter position of the 25 allele peak. Therefore, the 24 allele peak may be stutter from the allele 25 peak that was not filtered out or an amplification or capillary[sic] electrophoresis artifact that barely met the MDT.
ZVTEHU	Minifiler results were concordant with Identifiler results.
NRRAY8	No interpretation on the Y-STR data from Item 2 - for databasing only.
UJGYA3	No interpretation on the YSTR data from Item 2; for databasing purposes only.
XU9NHY	Missing Person protocols were used for analysis. Although the scenario stated semen and blood were present on Item 4, a differential extraction was not performed as per Missing Person protocols. The autosomal results for Item 4 indicated a mixture, and as per Missing Person protocols, this sample was not interpreted. The Y-chromosomal results for Item 4 were single source (and matched Item 2), therefore an interpretation was made comparing the Y-chromosomal results for Item 4 to Item 2. Minifiler results for Items 3 and 4 were concordant with Identifiler results with the exception of: Item 4, D16S539 (12) for Minifiler Item 4, D16S539 (11,12) for Identifiler. The 11 peak in Minifiler was present at 12.4% of the parent peak, but was filtered as stutter since our threshold is 14% at D16S539. As stated above, no interpretation was made on the autosomal results for Item 4.
F8PUYG	No male DNA detected for Item 1 and Item 3 using Plexor HY.
XU66VW	Y-STR analysis was not performed on Item 1 and Item 3 because no male DNA was detected using Quantifiler Duo.
RL9DMT	YSTR analysis was not performed on sample 1 and 3 because no male DNA was detected using Quantifiler Duo.
AJLPVB	Samples which did not produce a male DNA quantity using Quantifiler Duo were not tested with Yfiler.
M22ECX	Y-STR analysis not performed on female victim known (Item 1).
QDLVTU	Item 1 not analyzed for Y-STR DNA. Item 3 analyzed for Y-STR DNA; no results/no Y-STR profile obtained

TABLE 5

WebCode	Additional Comments
	for this item.
FLWHD7	NR = No results
KLW993	As a Forensic Biology Technician, DNA interpretations were not made for this test. Y-STR testing was not performed on the female known. NR=No results
H79ELR	Additional DYS391 data generated with Powerplex Fusion.
KMRRDP	NR=No DNA result. Female references are not analyzed with Yfiler; therefore, Item 1 was not tested using Yfiler.
TW97VJ	female references are not tested for Y-STRs. NR=No result.
B7WA83	Item 3 typed as a female therefore no Y-STR analysis performed.
ADJFR4	Sperm cells were detected on a smear prepared from the male fraction of item 4.
ECT6JX	Differential slides made, spermatozoa were observed.
XYJYDE	Spermatozoa were detected on differential slide prepared from item 4.
RVYW4L	Spermatozoa were observed in the sperm cell fraction of item 4 by microscopic examination.
9YNY37	Spermatozoa were detected in sample 4 sperm cell fraction by microscopic examination
EA32QQ	Spermatozoa were observed on the slide prepared from 4(M).
DCEGKR	Spermatozoa were observed upon microscopic examination in sample 4 male fraction.
UJHQ8B	Spermatozoa were detected on a smear prepared from item 4.
77WFM2	NR = no results. Results for genetic locus DYS391 found in "DNA Analysis - Additional Data" section [Table 3 - Additional DNA Results] were obtained using the PowerPlex Fusion kit.
Y9LC99	"NR" = No results. SE33 and Y Indel results developed from GlobalFiler. All other STR loci results were developed from PowerPlex Fusion. Data for locus DYS391 on Additional DNA page [Table 3 - Additional DNA Results] produced using the PowerPlex Fusion kit.
M7GPRM	NR = No Results. Data for locus DYS391 on Additional DNA page [Table 3 - Additional DNA Results] produced using the PowerPlex Fusion kit.
ZNAAN9	NR=No Results. Data for locus DYS391 on Additional DNA page [Table 3 - Additional DNA Results] produced using the PowerPlex Fusion kit.
BRF9DW	NR=No Results. Data for locus DYS391 on Additional DNA page [Table 3 - Additional DNA Results] produced using the PowerPlex Fusion kit.
FXPY6T	"NR" = No results. SE33 and Y Indel results were developed from GlobalFiler. All other STR loci results were developed from PowerPlex Fusion. Data for locus DYS391 on the Additional DNA page [Table 3 - Additional DNA Results] was produced using PowerPlex Fusion.
ATBDTY	NR=NO RESULTS. Additional DNA Results for locus DYS391 were obtained from PowerPlex Fusion results.
4KEMLV	NR = no results. Data for locus DYS391 on Additional DNA page [Table 3 - Additional DNA Results] produced using the PowerPlex Fusion kit.
UZ4FG6	1) Item 1, Item 2, Item 3 and Item 4 were extracted using chelex extraction method. 2) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit. 3) Amplification was carried out using AmpFISTR Identifiler Plus Kit. 4) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was

TABLE 5

WebCode	Additional Comments
	carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 5) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzer with GeneMapper ID Software. 6) Reagent blank, positive control and negative control were carried out throughout the analysis.
R9QLZ8	1) Item 1, Item 2, Item 3 and Item 4 were extracted using chelex extraction method. 2) Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit and carried out by 7500 Real Time PCR System, then amplified using AmpFISTR Identifiler Plus and Yfiler Kit. 3) The electrophoresis for Item 1, Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3130xl. 4) Reagent Blank, Positive Control and Negative Control were carried out along with the analysis.
3CT4RW	Item 1, Item 2 and Item 4 were extracted using Chelex extraction method. Item 3 were extracted using Promega DNA IQ Kit and run with Tecan Freedom Evo 150. Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit from Applied Biosystem and carried out by 7500 Real Time PCR System, then amplified using AmpFISTR Identifiler Plus and Yfiler PCR Kit. The electrophoresis for Item 1, Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3130xl. Reagent Blank, Positive Control and Negative Control carried out along with the analysis.
HP6FZJ	a) Chelex extraction method was used to extract DNA from Items 1, 2, 3 and 4. b) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. c) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus PCR Amplification Kit. d) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. e) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzers with GeneMapper™ ID Software. f) Reagent Blank, positive control and negative control were carried out through out the testing.
FRZJFL	DNA extraction for Item 1, Item 2, Item 3 and Item 4 was by phenol-chloroform method. DNA extraction for Item 4 was also by chelex extraction method. Amplification Kits used were Identifiler Plus (STR) and Yfiler (YSTR). Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper ID v3.2.1.
WUT3D4	DNA extraction for Item 1, Item 2, Item 3 and Item 4 were using phenol- chloroform method. Item 4 also was using chelex-extraction method. Amplification Kits used were the Identifiler Plus(STR) and Y-Filer (YSTR). Separation and detection was on the ABI 3130xL genetic Analyzer and analysis was by GeneMapper ID v3.2.1.
JHGEWC	1)Blood from Item (3) refers to the Victim (Item (1)). 2)Sperm From Item (4) Refers to the Suspect (Item(2)). 3)Blood from Item (4) mixed between the suspect (Item (2)) and the Victim (Item(1)).
VXUPR2	A cutting of Item 3 yielded no amplifiable DNA at quant. Another extraction was performed on the rest of the stain from Item 3, and the two extracts combined. This quant also exhibited no DNA. No further testing was conducted on Item 3.
ER24JN	Electropherograms results show the presence of one mixture sample (item 4) and a single source sample (item 3). Biostatistical analysis in Item 4 was conducted with LRmix studio software. LR: Hp/Hd = (Victim+suspect) / (Victim+Unknown person) = 6.8E28.

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 15-584: DNA-Semen

DATA MUST BE RECEIVED BY September 8, 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:

Police are investigating the alleged sexual assault of a woman in her home. A few hours following the incident, investigators apprehended a suspect loitering around another house in the same community. Police submitted for analysis cuttings of stains from the victim's shirt (Item 3) and from the rag found in the suspect's possession (Item 4). The cuttings were screened and Item 3 was positively identified as blood and Item 4 was positively identified as a mixture containing blood and semen. Along with the questioned evidence, the screening lab provided known blood samples from the victim (Item 1) and the suspect (Item 2).

Items Submitted (Sample Pack S4):

Item 1: Known blood from the female victim.

Item 2: Known blood from the male suspect.

Item 3: Questioned blood stain from the victim's shirt. (green material)

Item 4: Questioned blood and semen mixture from the suspect's rag. (grey material)

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 policy for reporting homozygotes.
- * If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- * Stains with more than one contributor: If a differential extraction is performed, split the box with a horizontal line and report the results of the different fractions above and below the line - indicate which is the sperm fraction (sp) and which is the epithelial fraction (e) (Example A); otherwise, list the alleles in numerical order (Example B).

Example	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820	
A	<i>e</i>	10,11	15,16	8	12,13	7	8
	<i>sp</i>	12,13	15,17	8,17	11	14,15	11,13
B	[10],[11],12,13	15,[16],17	8,17	[11],12,13	7,14,15	8,11,13	

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"/>

Please return all pages of this data sheet.

Part I (continued): DNA Results for Known Item1

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.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ 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.).

Yfiler® _____ PowerPlex® Y _____

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"/>

Please return all pages of this data sheet.

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 2: 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"/>

Please return all pages of this data sheet.

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

STR 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. 16, Plus, Direct, 16 HS, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

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

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

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

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

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.).

Yfiler® _____ PowerPlex® Y _____

Other _____

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

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

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

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.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

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

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

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

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

YSTR 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. Plus, 23, etc.).

Yfiler® _____ PowerPlex® Y _____

Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
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"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
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"/>

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

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>			
	Item 3	Item 4		Item 3	Item 4
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 September 08, 2015 to be included in the report.</p> <p>QUESTION? 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 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.

Collaborative Testing Services ~ Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code: _____ WebCode: _____
for Test No. **15-584: DNA-Semen**

This release page must be completed and received by **September 8, 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.

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