



DNA-Mixture Test No. 15-586 Summary Report

This proficiency test was sent to 153 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 121 participants (79% response rate) and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>4</u>
<u>Table 1: Amplification Kit(s) & STR Results</u>	<u>5</u>
<u>Table 2: YSTR Results</u>	<u>71</u>
<u>Table 3: Additional DNA Results</u>	<u>97</u>
<u>Table 4: DNA Interpretations</u>	<u>98</u>
<u>Table 5: Additional Comments</u>	<u>102</u>
<u>Appendix: Data Sheet</u>	<u>105</u>

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

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

Manufacturer's Information

Each sample pack consisted of two known bloodstains on clean white cloth (Items 1 & 2), and two questioned stains one on clean, tan material (Item 3) and one on clean, ivory material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2 and 4 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 3 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 3 substrate. Item 1 (75 µl) and Item 4 (50 µl) were blood collected from a single female donor. Item 2 (75 µl) was blood collected from a male donor. Item 3 (50 µl) was a mixture containing blood from the Item 1 female donor and semen from a donor whose known blood standard was not provided to participants. 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 October 27, 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	16,19.3 13,15 14,15 9,13	17,19 13,15 30,31 12,12	10,11 19,20 15,16 28.2,29.2	15,15 11,14 X,X 7,10	11,11 9,10 12,12 8,11	11,12 13,17 22,25 17,17
2	12,17.3 10,11 12,16 9,9	17,24 16,17 28,30.2 15,18	14,14 22,23 15,15 16,26.2	16,16 11,12 X,Y 6,7	10,11 10,13 12,12 8,11	8,9 13,17 25,25 18,18
3-Blood	16,19.3 13,15 14,15 9,13	17,19 13,15 30,31 12,12	10,11 19,20 15,16 28.2,29.2	15,15 11,14 X,X 7,10	11,11 9,10 12,12 8,11	11,12 13,17 22,25 17,17
3-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
4	16,19.3 13,15 14,15 9,13	17,19 13,15 30,31 12,12	10,11 19,20 15,16 28.2,29.2	15,15 11,14 X,X 7,10	11,11 9,10 12,12 8,11	11,12 13,17 22,25 17,17

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	13 14 13	14,17 11 18	13 11 18	30 20 22	24 15 11	11 17 11	16 25 *	13 11
3-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-Mixture 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 containing potential mixtures where screening has already been completed. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 and Item 4 were blood collected from a female donor, and Item 2 was blood collected from a male donor. Item 3 was a mixture containing blood from the Item 1 female donor and semen from a male donor whose blood standard was not provided to participants. (See Manufacturer's Information for preparation details)

Of the 121 responding, 113 participants reported DNA interpretations. All 113 participants included the victim (Item 1) as a possible contributor to both the Item 3 mixture as well as the Item 4 sample. All 113 participants excluded the suspect (Item 2) as a possible contributor to both the Item 3 mixture as well as the Item 4 sample.

Six participants reported allelic results that differed from the consensus/predistribution results. Of these six, two were missing alleles at one or more loci, and two reported additional alleles at one or more loci, with one of the two participants doing so on three separate items. Two participants reported inconsistent alleles at one or more loci, with one of the two participants doing so on two separate items.

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

2BPF62	<i>PowerPlex® 16</i>					
1				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
2CKY83	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
2JHNN7	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
2RX897	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
33AWL2	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
33TZU2	<i>NGMSelect</i>					
1	16,19.3	17,19	10,11	15,15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17,17
3RB494	<i>Identifiler® Plus, PowerPlex® 16HS, 21, ESX, ESI, CS7</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12	28.2,29.2	7,10	8,11	17
3T3EN4	<i>Identifiler®</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	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 1 - STR Results

43R8U9	<i>GlobalFiler</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
62874C	<i>PowerPlex® PP21</i>					
1	16,19.3	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	19,20	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	9,13	12,12	N/A	7,10	8,11	17,17
6EGLC3	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12	22,25
				7,10	8,11	17
6LEBT7	<i>PowerPlex® PowerPlex16HS</i>					
1				15	11	11,12
	13,15			11,14	9,10	13,17
		30,31		X	12	22,25
	9,13	12		7,10	8,11	17
76MZJ9	<i>Globalfiler</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
			28.2,29.2	7,10	8,11	17
7AF698	<i>GlobalFiler</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
			28.2,29.2	7,10	8,11	17
7JPALX	<i>IDplex Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
7KDXL4	<i>Identifiler®</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
7PWTNW	<i>PowerPlex® 16</i>					
1				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17

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 1 - STR Results

7TRMLX	<i>Identifiler® PLUS, PowerPlex® ESX17</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
7TW4KW	<i>PowerPlex® 16 HS</i>					
1				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
7YH4W3	<i>Identifiler® Direct</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12	22,25
				7,10	8,11	17
7YYDP4	<i>Globalfiler</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
8ATTAX	<i>COfiler® and Profiler Plus®</i>					
1				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
8F2CCX	<i>PowerPlex® Fusion</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
8JZN9X	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
96Z9L9	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
9UWYCX	<i>Identifiler®, PowerPlex® 16</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17

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 1 - STR Results

A3AA34	NGMSE					
	1	16,19.3	17,19	10,11	15,15	
		13,15	13,15	19,20		9,10
		14,15	30,31	15,16	X,X	22,25
				28.2,29.2	7,10	17,17
AFDV7T	Identifiler®					
	1		17,19		15,15	11,11
		13,15			11,14	9,10
		14,15	30,31		X,X	12,12
					7,10	8,11
ALZHZY	Globalfiler					
	1	16,19.3	17,19	10,11	15,15	11,11
		13,15	13,15	19,20	11,14	9,10
		14,15	30,31	15,16	X,X	12,12
				28.2,29.2	7,10	8,11
AN4DJ2	Globalfiler					
	1	16,19.3	17,19	10,11	15,15	11,11
		13,15	13,15	19,20	11,14	9,10
		14,15	30,31	15,16	X,X	12,12
				28.2,29.2	7,10	8,11
ATY8G3	PowerPlex® Powerplex Fusion					
	1	16,19.3	17,19	10,11	15	11
		13,15	13,15	19,20	11,14	9,10
		14,15	30,31	15,16	X	12
		9,13	12		7,10	8,11
AYQ83Q	Identifiler® Plus					
	1		17,19		15,15	11,11
		13,15			11,14	9,10
		14,15	30,31		X,X	12,12
					7,10	8,11
AYQE3W	PowerPlex® PowerPlex®21					
	1	16,19.3	17,19		15	11
		13,15		19,20	11,14	9,10
		14,15	30,31		X	12
		9,13	12		7,10	8,11
BPFDGW	Identifiler® Plus					
	1		17,19		15	11
		13,15			11,14	9,10
		14,15	30,31		X	12
					7,10	8,11
BPUYQX	Identifiler®					
	1		17,19		15,15	11,11
		13,15			11,14	9,10
		14,15	30,31		X,X	12,12
					7,10	8,11

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

BVMWJV	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
C6R4YV	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
CGJW6X	<i>Identifiler®</i>						
	1	N/A	17,19	N/A	15,15	11,11	11,12
		13,15	N/A	N/A	11,14	9,10	13,17
		14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17	
CR42G3	<i>Identifiler®</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
CT9T7V	<i>Identifiler® Direct</i>						
	1		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
CVFB6Q	<i>PowerPlex® Fusion</i>						
	1	16,19.3	17,19	10,11	15,15	11,11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17	
CX6DCZ	<i>Globalfiler</i>						
	1	16,19.3	17,19	10,11	15,15	11,11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X,X	12,12	22,25
			28,2,29.2	7,10	8,11	17,17	
DH9K64	<i>Identifiler® Plus</i>						
	1		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
DKDDUW	<i>Identifiler®</i>						
	1	N/A	17,19	N/A	15,15	11,11	11,12
		13,15	N/A	N/A	11,14	9,10	13,17
		14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17	

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 1 - STR Results

DL8WZ4	<i>Identifiler® Plus</i>					
1	17,19			15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
E9FPHT	<i>Identifiler® Plus</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
ECYKLL	<i>PowerPlex® ESIPro, NGM</i>					
1	16,19.3	17,19	10,11	15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17
EMJVTR	<i>NGM SElect</i>					
1	16,19.3	17,19	10,11	15,15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17,17
ETNRGX	<i>Identifiler®</i>					
1	17,19			15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
F2XGUW	<i>PowerPlex® Fusion</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
F38T8R	<i>Globalfiler Express</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
F7744R	<i>Identifiler® Direct</i>					
1	-	17,19	-	15	11	11,12
	13,15	-	-	11,14	9,10	13,17
	14,15	30,31	-	X,X	12	22,25
	-	-	-	7,10	8,11	17
FBLEGV	<i>Identifiler® Direct</i>					
1	-	17,19	-	15	11	11,12
	13,15	-	-	11,14	9,10	13,17
	14,15	30,31	-	X,X	12	22,25
	-	-	-	7,10	8,11	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 1 - STR Results

FLW4YX	<i>Identifiler®</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
GF9G4R	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
GHYP9M	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
GK3KTQ	<i>Identifiler®</i>						
	1		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
GLEBXN	<i>Qiagen Investigator ESSplex plus</i>						
	1	16,19.3	17,19	10,11	15,15		
		13,15	13,15	19,20		9,10	13,17
		14,15	30,31	15,16	X,X		22,25
				7,10		17,17	
GQ8HFW	<i>Identifiler®</i>						
	1		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
GR3ZHX	<i>Identifiler® Direct</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
HDZNYM	<i>Identifiler®</i>						
	1		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
HU7APL	<i>Identifiler® Plus, PowerPlex® ESX17</i>						
	1	16,19.3	17,19	10,11	15,15	11,11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X,X	12,12	22,25
			28,2,29,2	7,10	8,11	17,17	

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 1 - STR Results

J2F4DL	<i>Identifiler®</i>					
1	N/A	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	N/A	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17
JC28KL	<i>COfiler® and Profiler Plus®</i>					
1				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
JE7TDR	<i>PowerPlex® Fusion</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
JH749R	<i>PowerPlex® Fusion</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
JHPNFK	<i>Identifiler® Plus, PowerPlex® ESX17</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
JYEVBX	<i>Identifiler®</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
K6KN6T	<i>Identifiler®</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
K9XW3Q	<i>PowerPlex® Fusion</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
KGBK3K	<i>AmpFL STR NGM Kit</i>					
1	16,19.3	17,19	10,11	15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X		22,25
				7,10		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 1 - STR Results

KQXLJU	<i>Identifiler® Direct</i>					
	1	-	17,19	-	15	11,12
		13,15	-	-	11,14	9,10,13,17
		14,15	30,31	-	X,X	12,22,25
	-	-	-	7,10	8,11,17	
L8JLPK	<i>PowerPlex® ESI FAST</i>					
	1	16,19.3	17,19	10,11	15,15	
		13,15	13,15	19,20		9,10,13,17
		14,15	30,31	15,16	X,X	22,25
			28.2,29.2	7,10	17,17	
L9E6VR	<i>Identifiler® Direct</i>					
	1		17,19		15,15	11,11,12
		13,15			11,14	9,10,13,17
		14,15	30,31		X,X	12,12,22,25
				7,10	8,11,17,17	
LAANWT	<i>Identifiler®</i>					
	1		17,19		15	11,12
		13,15			11,14	9,10,13,17
		14,15	30,31		X	12,22,25
				7,10	8,11,17	
LH3WHK	<i>Identifiler® Plus</i>					
	1		17,19		15,15	11,11,12
		13,15			11,14	9,10,13,17
		14,15	30,31		X,X	12,12,22,25
				7,10	8,11,17,17	
LNNT4L	<i>PowerPlex® Fusion, AmpFLSTR® NGM</i>					
	1	16,19.3	17,19	10,11	15	11,12
		13,15	13,15	19,20	11,14	9,10,13,17
		14,15	30,31	15,16	X	12,22,25
	9,13	12	not tested	7,10	8,11,17	
M7Z3HR	<i>Identifiler® , Identifiler Direct</i>					
	1	-	17,19	-	15	11,12
		13,15	-	-	11,14	9,10,13,17
		14,15	30,31	-	X,X	12,22,25
	-	-	-	7,10	8,11,17	
MY6ZFF	<i>PowerPlex® Fusion</i>					
	1	16,19.3	17,19	10,11	15,15	11,11,12
		13,15	13,15	19,20	11,14	9,10,13,17
		14,15	30,31	15,16	X,X	12,12,22,25
	9,13	12,12		7,10	8,11,17,17	
NAYVM	<i>PowerPlex® PowerPlex 16 HS</i>					
	1				15	11,12
		13,15			11,14	9,10,13,17
			30,31		X	12,22,25
	9,13	12		7,10	8,11,17	

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 1 - STR Results

NP9J4G	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
1				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
NX7CGH	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
P24DUJ	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
P89UME						
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
PAG2UD	<i>PowerPlex® 16</i>					
1				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
PBBRZR	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
PE99DL	<i>Identifiler®</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
PP87WE	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
QPQDXQ	<i>Identifiler®</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17

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 1 - STR Results

QVC3JL	<i>PowerPlex® 16HS</i>					
1				15	11	11,12
	13,15			11,14	9,10	13,17
		30,31		X	12	22,25
	9,13	12		7,10	8,11	17
QYDDBE	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
1				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
QZ8WGM	<i>Identifiler®</i>					
1	N/A	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	N/A	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17
REZBQF	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
RMGM8M	<i>Identifiler®</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
RRMF3H	<i>Identifiler®</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
RZ3YHB	<i>Identifiler® , DIRECT</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
T7Z7FB	<i>Identifiler® Plus, PowerPlex® ESX 17</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28,2,29,2	7,10	8,11	17,17
TKMF3F	<i>Identifiler® Plus</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	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 1 - STR Results

TNH8BD	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12	22,25
				7,10	8,11	17	
TTXHNG	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
TVYMYF	<i>Identifiler®</i>						
	1	N/A	17,19	N/A	15,15	11,11	11,12
		13,15	N/A	N/A	11,14	9,10	13,17
		14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17	
U49CCE	<i>Identifiler® Direct</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12	22,25
				7,10	8,11	17	
U64VEF	<i>Identifiler®</i>						
	1	N/A	17,19	N/A	15,15	11,11	11,12
		13,15	N/A	N/A	11,14	9,10	13,17
		14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17	
UF86PC	<i>Identifiler® Plus</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
UULDLA	<i>PowerPlex® Fusion</i>						
	1	16,19.3	17,19	10,11	15,15	11,11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17	
UWGWRG	<i>Identifiler®</i>						
	1		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
V3WY8H	<i>PowerPlex® Fusion</i>						
	1	16,19.3	17,19	10,11	15	11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	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 1 - STR Results

WLNK7E	<i>Identifiler® Plus</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
WXDJWG	<i>Identifiler®</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
X7PVP9	<i>Identifiler® Plus</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
XGMYU3	<i>GlobalFiler Express</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	XX	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
XMANEC	<i>Identifiler®</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
XWJTQ3	<i>GlobalFiler</i>					
1	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
			28.2,29.2	7,10	8,11	17
Y4DHKC	<i>Identifiler®</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
YCR4UF	<i>Identifiler®</i>					
1	17,19			15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
YJQUD6	<i>Identifiler® Plus, PowerPlex® ESX17</i>					
1	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	XX	12,12	22,25
			28.2,29.2	7,10	8,11	17,17

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 1 - STR Results

YMR2D9	<i>Identifiler® Plus</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
YXC7PE	<i>Identifiler®</i>					
1		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
Z233M6	<i>Identifiler®</i>					
1		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
Z326FF	<i>PowerPlex® 21</i>					
1	16,19.3	17,19		15,15	11,11	11,12
	13,15		19,20	11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
Z8TCW3	<i>Identifiler® Plus</i>					
1	-	17,19	-	15,15	11,11	11,12
	13,15	-	-	11,14	9,10	13,17
	14,15	30,31	-	X,X	12,12	22,25
	-	-	-	7,10	8,11	17,17

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

2BPF62	<i>PowerPlex® 16</i>					
2				16,16	10,11	8,9
	10,11			11,12	10,13	13,17
		28,30.2		X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18
2CKY83	<i>Identifiler® Plus</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
2JHNN7	<i>Identifiler® Plus</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
2RX897	<i>Identifiler® Plus</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
33AWL2	<i>Identifiler® Plus</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
33TZU2	<i>NGMSelect</i>					
2	12,17.3	17,24	14,14	16,16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15,15	X,Y		25,25
			16,26.2	6,7		18,18
3RB494	<i>Identifiler® Plus, PowerPlex® 16HS, 21, ESX, ESI, CS7</i>					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18	16,26.2	6,7	8,11	18
3T3EN4	<i>Identifiler®</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
43R8U9	<i>GlobalFiler</i>					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18

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

62874C	<i>PowerPlex® PP21</i>					
2	12,17.3	17,24	N/A	16,16	10,11	8,9
	10,11	N/A	22,23	11,12	10,13	13,17
	12,16	28,30.2	N/A	X,Y	12,12	25,25
	9,9	15,18	N/A	6,7	8,11	18,18
6EGLC3	<i>Identifiler® Plus</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
6LEBT7	<i>PowerPlex® PowerPlex16HS</i>					
2				16	10,11	8,9
	10,11			11,12	10,13	13,17
		28,30.2		X,Y	12	25
	9	15,18		6,7	8,11	18
76MZJ9	<i>Globalfiler</i>					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
			16,26.2	6,7	8,11	18
7AF698	<i>GlobalFiler</i>					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
			16,26.2	6,7	8,11	18
7JPALX	<i>IDplex Plus</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
7KDXL4	<i>Identifiler®</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
7PWTNW	<i>PowerPlex® 16</i>					
2				16,16	10,11	8,9
	10,11			11,12	10,13	13,17
		28,30.2		X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18
7TRMLX	<i>Identifiler® PLUS, PowerPlex® ESX17</i>					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18

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

7TW4KW	PowerPlex® 16 HS					
2				16,16	10,11	8,9
	10,11			11,12	10,13	13,17
		28,30.2		X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18
7YH4W3	Identifiler® Direct					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
7YYDP4	Globalfiler					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18
8ATTAX	COfiler® and Profiler Plus®					
2				16,16	10,11	8,9
	10,11			11,12		13,17
		28,30.2		X,Y		25,25
						18,18
8F2CCX	PowerPlex® Fusion					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18
8JZN9X	Identifiler® Plus					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
96Z9L9	Identifiler® Plus					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
9UWYCX	Identifiler®, PowerPlex® 16					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18
A3AA34	NGMSE					
2	12,17.3	17,24	14,14	16,16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15,15	X,Y		25,25
			16,26.2	6,7		18,18

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

AFDV7T	<i>Identifiler®</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
ALHZY	<i>Globalfiler</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18	
AN4DJ2	<i>Globalfiler</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18	
ATY8G3	<i>PowerPlex® PowerPlex Fusion</i>						
	2	12,17.3	17,24	14	16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18	
AYQ83Q	<i>Identifiler® Plus</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
AYQE3W	<i>PowerPlex® PowerPlex®21</i>						
	2	12,17.3	17,24		16	10,11	8,9
		10,11		22,23	11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
	9	15,18		6,7	8,11	18	
BPFDGW	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
BPUYQX	<i>Identifiler®</i>						
	2	N/A	17,24	N/A	16,16	10,11	8,9
		10,11	N/A	N/A	11,12	10,13	13,17
		12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18	
BVMWJV	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	

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

C6R4YV	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
CGJW6X	<i>Identifiler®</i>						
	2	N/A	17,24	N/A	16,16	10,11	8,9
		10,11	N/A	N/A	11,12	10,13	13,17
		12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18	
CR42G3	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
CT9T7V	<i>Identifiler® Direct</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
CVFB6Q	<i>PowerPlex® Fusion</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18	
CX6DCZ	<i>Globalfiler</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18	
DH9K64	<i>Identifiler® Plus</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
DKDDUW	<i>Identifiler®</i>						
	2	N/A	17,24	N/A	16,16	10,11	8,9
		10,11	N/A	N/A	11,12	10,13	13,17
		12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18	
DL8WZ4	<i>Identifiler® Plus</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	

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

E9FPHT	<i>Identifiler® Plus</i>					
2	17,24			16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
ECYKLL	<i>PowerPlex® ESIPro, NGM</i>					
2	12,17.3	17,24	14	16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15	X,Y		25
			16,26.2	6,7		18
EMJVTR	<i>NGM SElect</i>					
2	12,17.3	17,24	14,14	16,16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15,15	X,Y		25,25
			16,26.2	6,7		18,18
ETNRGX	<i>Identifiler®</i>					
2	17,24			16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
F2XGUW	<i>PowerPlex® Fusion</i>					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18
F38T8R	<i>Globalfiler Express</i>					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18
F7744R	<i>Identifiler® Direct</i>					
2	-	17,24	-	16	10,11	8,9
	10,11	-	-	11,12	10,13	13,17
	12,16	28,30.2	-	X,Y	12	25
	-	-	-	6,7	8,11	18
FBLEGV	<i>Identifiler® Direct</i>					
2	-	17,24	-	16	10,11	8,9
	10,11	-	-	11,12	10,13	13,17
	12,16	28,30.2	-	X,Y	12	25
	-	-	-	6,7	8,11	18
FLW4YX	<i>Identifiler®</i>					
2	17,24			16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18

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

GF9G4R	<i>Identifiler® Plus</i>					
2	17,24			16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
GHYP9M	<i>Identifiler® Plus</i>					
2	17,24			16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
GK3KTQ	<i>Identifiler®</i>					
2	17,24			16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
GLEBXN	<i>Qiagen Investigator ESSplex plus</i>					
2	12,17.3	17,24	14,14	16,16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15,15	X,Y		25,25
				6,7		18,18
GQ8HFW	<i>Identifiler®</i>					
2	17,24			16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
GR3ZHX	<i>Identifiler® Direct</i>					
2	17,24			16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
HDZNMY	<i>Identifiler®</i>					
2	17,24			16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
HU7APL	<i>Identifiler® Plus, PowerPlex® ESX17</i>					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18
J2F4DL	<i>Identifiler®</i>					
2	N/A	17,24	N/A	16,16	10,11	8,9
	10,11	N/A	N/A	11,12	10,13	13,17
	12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18

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

JC28KL	COfiler® and Profiler Plus®					
2				16,16	10,11	8,9
	10,11			11,12		13,17
		28,30.2		X,Y		25,25
						18,18
JE7TDR	PowerPlex® Fusion					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18
JH749R	PowerPlex® Fusion					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18
JHPNFK	Identifiler® Plus, PowerPlex® ESX17					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18
JYEVBX	Identifiler®					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
K6KN6T	Identifiler®					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
K9XW3Q	PowerPlex® Fusion					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18
KGBK3K	AmpFI STR NGM Kit					
2	12,17.3	17,24	14	16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15	X,Y		25
				6,7		18
KQXLJU	Identifiler® DIRECT					
2	-	17,24	-	16	10,11	8,9
	10,11	-	-	11,12	10,13	13,17
	12,16	28,30.2	-	X,Y	12	25
	-	-	-	6,7	8,11	18

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

L8JLPK	<i>PowerPlex® ESI FAST</i>					
2	12,17.3	17,24	14,14	16,16		
	10,11	16,17	22,23		10,13	13,17
	12,16	28,30.2	15,15	X,Y		25,25
			16,26.2	6,7		18,18
L9E6VR	<i>Identifiler® Direct</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
LAANWT	<i>Identifiler®</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
LH3WHK	<i>Identifiler® Plus</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
LNNT4L	<i>PowerPlex® Fusion, AmpFLSTR® NGM</i>					
2	12,17.3	17,24	14	16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15	X,Y	12	25
	9	15,18	not tested	6,7	8,11	18
M7Z3HR	<i>Identifiler® , Identifiler Direct</i>					
2	-	17,24	-	16	10,11	8,9
	10,11	-	-	11,12	10,13	13,17
	12,16	28,30.2	-	X,Y	12	25
	-	-	-	6,7	8,11	18
MY6ZFF	<i>PowerPlex® Fusion</i>					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18
NAYVVM	<i>PowerPlex® PowerPlex 16 HS</i>					
2				16	10,11	8,9
	10,11			11,12	10,13	13,17
		28,30.2		X,Y	12	25
	9	15,18		6,7	8,11	18
NP9J4G	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
2				16,16	10,11	8,9
	10,11			11,12		13,17
		28,30.2		X,Y		25,25
						18,18

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

NX7CGH	<i>Identifiler® Plus</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,32.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
P24DUJ	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
P89UME	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
				16,26.2	6,7	8,11	18,18
PAG2UD	<i>PowerPlex® 16</i>						
	2				16,16	10,11	8,9
		10,11			11,12	10,13	13,17
			28,30.2		X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18	
PBBRZR	<i>Identifiler® Plus</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
PE99DL	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
PP87WE	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
QPQDXQ	<i>Identifiler®</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	
QVC3JL	<i>PowerPlex® 16HS</i>						
	2				16	10,11	8,9
		10,11			11,12	10,13	13,17
			28,30.2		X,Y	12	25
	9	15,18		6,7	8,11	18	

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

QYDDBE	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
2				16,16	10,11	8,9
	10,11			11,12		13,17
		28,30.2		X,Y		25,25
						18,18
QZ8WGM	<i>Identifiler®</i>					
2	N/A	17,24	N/A	16,16	10,11	8,9
	10,11	N/A	N/A	11,12	10,13	13,17
	12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18
REZBQF	<i>Identifiler® Plus</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
RMGM8M	<i>Identifiler®</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
RRMF3H	<i>Identifiler®</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
RZ3YHB	<i>Identifiler® , DIRECT</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
T7Z7FB	<i>Identifiler® Plus, PowerPlex® ESX 17</i>					
2	12,17.3	17,24	14,14	16,16	10,11	8,9
	10,11	16,17	22,23	11,12	10,13	13,17
	12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18
TKMF3F	<i>Identifiler® Plus</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
TNH8BD	<i>Identifiler® Plus</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18

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

TTXHNG	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
TVYMYF	<i>Identifiler®</i>						
	2	N/A	17,24	N/A	16,16	10,11	8,9
		10,11	N/A	N/A	11,12	10,13	13,17
		12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18	
U49CCE	<i>Identifiler® Direct</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
U64VEF	<i>Identifiler®</i>						
	2	N/A	17,24	N/A	16,16	10,11	8,9
		10,11	N/A	N/A	11,12	10,13	13,17
		12,16	28,30.2	N/A	X,Y	12,12	25,25
	N/A	N/A	N/A	6,7	8,11	18,18	
UF86PC	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
UULDLA	<i>PowerPlex® Fusion</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18	
UWGWRG	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
V3WY8H	<i>PowerPlex® Fusion</i>						
	2	12,17.3	17,24	14	16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15	X,Y	12	25
	9	15,18		6,7	8,11	18	
WLNK7E	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	

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

WXDJWG	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
X7PVP9	<i>Identifiler® Plus</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
XGMYU3	<i>GlobalFiler</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18	
XMANEC	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
XWJTQ3	<i>GlobalFiler</i>						
	2	12,17.3	17,24	14	16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15	X,Y	12	25
			16,26.2	6,7	8,11	18	
Y4DHKC	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
YCR4UF	<i>Identifiler®</i>						
	2		17,24		16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12	25
				6,7	8,11	18	
YJQUD6	<i>Identifiler® Plus, PowerPlex® ESX17</i>						
	2	12,17.3	17,24	14,14	16,16	10,11	8,9
		10,11	16,17	22,23	11,12	10,13	13,17
		12,16	28,30.2	15,15	X,Y	12,12	25,25
			16,26.2	6,7	8,11	18,18	
YMR2D9	<i>Identifiler® Plus</i>						
	2		17,24		16,16	10,11	8,9
		10,11			11,12	10,13	13,17
		12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18	

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

YXC7PE	<i>Identifiler®</i>					
2		17,24		16,16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
				6,7	8,11	18,18
Z233M6	<i>Identifiler®</i>					
2		17,24		16	10,11	8,9
	10,11			11,12	10,13	13,17
	12,16	28,30.2		X,Y	12	25
				6,7	8,11	18
Z326FF	<i>PowerPlex® 21</i>					
2	12,17.3	17,24		16,16	10,11	8,9
	10,11		22,23	11,12	10,13	13,17
	12,16	28,30.2		X,Y	12,12	25,25
	9,9	15,18		6,7	8,11	18,18
Z8TCW3	<i>Identifiler® Plus</i>					
2	-	17,24	-	16,16	10,11	8,9
	10,11	-	-	11,12	10,13	13,17
	12,16	28,30.2	-	X,Y	12,12	25,25
	-	-	-	6,7	8,11	18,18

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

76MZJ9	Globalfiler					
3	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
			28.2,29.2,30.2	7,9,10	8,11	14,17
AN4DJ2	Globalfiler					
3	11,15,16,19.3	17,19,23,25	10,11,14,15	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
			28.2,29.2,30.2	7,9,10	8,11	14,17
AYQ83Q	Identifiler® Plus					
3		[17],[19],23,25		15,16	11,12	9,11,[12]
	11,[13],[15],16			8,[11],12,[14]	[9],[10],12	[13],15,17
	[14],[15],15.2,16	28,[30],[31],31.2		X,Y	11,12	20,21,[22],[25]
				[7],9,10	8,11	14,17
BPFDGW	Identifiler® Plus					
3		[17],[19],23,25		15,16	11,12	9,11,[12]
	11,[13],[15],16			8,[11],12,[14]	[9],[10],12	[13],15,17
	[14],[15],15.2,16	28,[30],[31],31.2		X,Y	11,12	20,21,[22],[25]
				[7],9,10	8,11	14,17
LNNT4L	PowerPlex® Fusion, AmpFLSTR® NGM					
3	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
	9,13	11,12,15	not tested	7,9,10	8,11	14,17
P89UME						
3	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
			28.2,29.2,30.2	7,9,10	8,11	14,17
RZ3YHB	Identifiler®, PLUS					
3		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
U64VEF						
3	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
Z8TCW3	Identifiler® Plus					
3	-	[17],[19],23,25	-	[15],[15],15,16	[11],[11],11,12	9,11,[11],[12]
	11,[13],[15],16	-	-	8,[11],12,[14]	[9],[10],12,12	[13],15,[17],17
	[14],[15],15.2,16	28,[30],[31],31.2	-	[X],[X],X,Y	11,[12],[12],12	20,21,[22],[25]
	-	-	-	[7],9,[10],10	[8],8,[11],11	14,[17],[17],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 3e - STR Results

2CKY83	<i>Identifiler® Plus</i>					
3e	11,13,15,16	17,19,[23],[25]		15,15,[16]	11,11,[12]	[9],11,12
	14,15,[15.2],16	[28],30,31,[31.2]		[8],11,12,14	9,10,12	13,[15],17
				X,X,[Y]	[11],12,12	20,21,22,25
				7,[9],10	8,11	[14],17,17
2JHNN7	<i>Identifiler® Plus</i>					
3e	11,13,15,16	17,19,23,25		15,16	11,12	9,11,12
	14,15,15.2,16	28,30,31,31.2		8,11,12,14	9,10,12	13,15,17
				X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
2RX897	<i>Identifiler® PLUS</i>					
3e	11,13,15,16	17,19,23,25		15,16	11,12	9,11,12
	14,15,15.2,16	28,30,31,31.2		8,11,12,14	9,10,12	13,15,17
				X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
33AWL2	<i>Identifiler® Plus</i>					
3e	11,13,15,16	17,19,[23],[25]		15,15,[16]	11,11,[12]	[9],11,12
	14,15,[15.2],16	28,30,31,31.2		[8],11,12,14	9,10,12	13,15,17
				X,X,[Y]	[11],12,12	[20],21,22,25
				7,[9],10	8,11	[14],17,17
33TZU2	<i>NGMSelect</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16		
	11,13,15,16	12,13,15	19,20,22		9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,[Y]		20,21,22,25
			28.2,29.2,30.2	7,9,10		14,17
3RB494	<i>Identifiler® Plus, PowerPlex® 16HS, 21, ESX, ESI, CS7</i>					
3e	11,13,15,16	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	14,15,15.2,16	28,30,31,31.2	15,16	8,11,12,14	9,10,12	13,15,17
				X,Y	11,12	20,21,22,25
	9,13	11,12,15	28.2,29.2,30.2	7,9,10	8,11	14,17
3T3EN4	<i>Identifiler®</i>					
3e	11,13,15,16	17,19,23,25		15,16	11,12	9,11,12
	14,15,15.2,16	28,30,31,31.2		8,11,12,14	9,10,12	13,15,17
				X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
43R8U9	<i>GlobalFiler</i>					
3e	[11],[15],16,19.3	17,19,[23],[25]	10,11,[14]	15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]	[12],13,15	19,20,[22]	[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]	15,[16]	X,[Y]	[11],12	[20],[21],22,25
			28.2,29.2,[30.2]	7,[9],10	8,11	[14],17
62874C	<i>PowerPlex® PP21</i>					
3e	11,13,15,16	17,19,23,25	N/A	15,16	11,12	9,11,12
	14,15,15.2,16	28,30,31,31.2	N/A	8,11,12,14	9,10,12	13,15,17
			N/A	X,Y	11,12	20,21,22,25
	9,13	11,12,15	N/A	7,9,10	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 3e - STR Results

6EGLC3	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
6LEBT7	<i>PowerPlex® PowerPlex16HS</i>					
3e			15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
		28,30,31,31.2	X,Y	11,12	20,21,22,25	
	9,13	11,12,15	7,9,10	8,11	14,17	
7AF698	<i>GlobalFiler</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
			28.2,29.2,30.2	7,9,10	8,11	14,17
7JPALX	<i>IDplex Plus</i>					
3e		17,19	15,15	11,11	11,12	
	13,15		11,14	9,10	13,17	
	14,15	30,31	X,X	12,12	22,25	
			7,10	8,11	17,17	
7KDXL4	<i>Identifiler®</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
7PWNTNW	<i>PowerPlex® 16</i>					
3e			15,[16]	11,[12]	[9],11,12	
	[11],13,15,[16]		[8],11,12,14	9,10,12	13,[15],17	
		[28],30,31,[31.2]	X,[Y]	[11],12	20,21,22,25	
	9,13	[11],12,[15]	7,[9],10	8,11	[14],17	
7TRMLX	<i>Identifiler® PLUS</i>					
3e	17,19,23,25		15,15,[16]	11,11,[12]	[9],11,12	
	11,13,15,[16]		8,11,12,14	9,10,12	13,[15],17	
	14,15,[15.2],16	28,30,31,31.2	X,X,[Y]	[11],12,12	20,21,22,25	
			7,9,10	8,11	[14],17,17	
7TW4KW	<i>PowerPlex® 16 HS</i>					
3e			15,[16]	11,[12]	[9],11,[12]	
	[11],13,15,[16]		8,[11],[12],14	9,10,[12]	13,[15],17	
		[28],30,31,[31.2]	X,[Y]	[11],12	20,[21],22,25	
	9,13	12,[15]	[7],[9],10	8,11	[14],17	
7YH4W3	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	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 3e - STR Results

7YYDP4	<i>Globalfiler</i>					
3e	[11],[15],16,19.3	17,19,[23],[25]	10,11,[14]	15,15,[16]	11,11,[12]	[9],11,12
	[11],13,15,[16]	[12],13,15	19,20,[22]	[8],11,[12],14	9,10,[12]	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]	[15],15,16	X,X,[X,Y]	[11],12,12	[20],[21],22,25
			28.2,29.2,[30.2]	7,[9],10	8,11	[14],17,17
8ATTAX	<i>COfiler® and Profiler Plus®</i>					
3e				15,15	11,12	9,11,12
	11,13,15,16			8,11,12,14		13,15,17
		28,30,31,31.2		X,Y		20,21,22,25
						17,17
8F2CCX	<i>PowerPlex® Fusion</i>					
3e	[11,15],16,19.3	17,19,[23,25]	10,11,[14]	15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]	[12],13,15	19,20,[22]	[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]	15,16	X,[Y]	[11],12	[20],21,22,25
	9,13	[11],12,[15]		7,[9],10	8,11	[14],17
8JZN9X	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
96Z9L9	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
9UWYCX	<i>Identifiler®</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
A3AA34	<i>ESI17</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16		
	11,13,15,16	12,13,15	19,20,22		9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y		20,21,22,25
			28.2,29.2,30.2	7,9,10		14,17
AFDV7T	<i>Identifiler®</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
ALZHZY	<i>Globalfiler</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12,[13]	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
			28.2,29.2,30.2	7,9,10	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 3e - STR Results

ATY8G3	<i>PowerPlex® PowerPlex Fusion</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
	9,13	11,12,15		7,9,10	8,11	14,17
AYQE3W	<i>PowerPlex® PowerPlex®21</i>					
3e	11,15,16,19.3	17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16		19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
	9,13	11,12,15		7,9,10	8,11	14,17
BPUYQX	<i>Identifiler®</i>					
3e	N/A	17,19,[23],[25]	N/A	15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]	N/A	N/A	[8],11,[12],14	9,10,[12]	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]	N/A	X,[Y]	[11],12	[20],[21],22,25
	N/A	N/A	N/A	7,[9],10	8,11	[14],17
BVMWJV	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
C6R4YV	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
CGJW6X	<i>Identifiler®</i>					
3e	N/A	17,19,23,25	N/A	15,[16]	11,[12]	[9],11,12
	11,13,15,16	N/A	N/A	8,11,12,14	9,10,12	13,[15],17
	14,15,15.2,16	28,30,31,31.2	N/A	X,[Y]	[11],12	20,21,22,25
	N/A	N/A	N/A	7,[9],10	8,11	[14],17
CT9T7V	<i>Identifiler® Plus</i>					
3e		17,19,[23],[25]		15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]			[8],11,[12],14	9,10,[12]	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]		X,[Y]	[11],12	[20],[21],22,25
				7,[9],10	8,11	[14],17
CVFB6Q	<i>PowerPlex® Fusion</i>					
3e	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
CX6DCZ	<i>Globalfiler</i>					
3e	[11,15],16,19.3	17,19,[23,25]	10,11,[14]	15,15,[16]	11,11,[12]	[9],11,12
	[11],13,15,[16]	[12],13,15	19,20,[22]	[8],11,[12],14	9,10,[12]	13,[15],17
	14,15,[15.2,16]	[28],30,31,[31.2]	15,16	X,X,[X,Y]	[11],12,12	[20,21],22,25
			28.2,29.2,[30.2]	7,[9],10	8,11	[14],17,17

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 3e - STR Results

DH9K64	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
DKDDUW	<i>Identifiler®</i>					
3e	N/A	17,19,[23],[25]	N/A	15,[16]	11,[12]	[9],11,12
	11,13,15,[16]	N/A	N/A	[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	28,30,31,[31.2]	N/A	X,Y	[11],12	[20],[21],22,25
	N/A	N/A	N/A	7,[9],10	8,11	[14],17
DL8WZ4	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
E9FPHT	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
ECYKLL	<i>PowerPlex® ES1Pro and ESX</i>					
3e	[11],[15],16,19.3	17,19,[23],[25]	10,11,[14]	15,[16]		
	[11],13,15,[16]	[12],13,15	19,20,[22]		9,10,12	13,15,17
	14,15,[15.2],[16]	[28],30,31,[31.2]	15,[16]	X,X,[X,Y]		20,21,22,25
			28.2,29.2,[30.2]	7,9,10		[14],17
EMJVR						
3e	11,15,16,19.3	(17),19,23,(25)	10,11,14	15,16		
	11,(13),15,16	12,13,15	19,20,22		9,10,12	13,(15),17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y		20,21,22,25
			28.2,29.2,(30.2)	7,9,10		(14),17
ETNRGX	<i>Identifiler®</i>					
3e	17,19,(23),(25)		15,(16)	11,(12)	(9),11,12	
	(11),13,15,(16)		8,11,12,14	9,10,12	13,(15),17	
	14,15,(15.2),(16)	(28),30,31,(31.2)	X,(Y)	(11),12	20,21,22,25	
			7,(9),10	8,11	(14),17	
F38T8R	<i>Globalfiler Express</i>					
3e	16,19.3	17,19	10,11	15,[16]	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,[Y]	12,12	22,25
			28.2,29.2	7,10	8,11	[14],17
F7744R	<i>Identifiler® Plus</i>					
3e	-	17,19,23,25	-	15,16	11,12	9,11,12
	11,13,15,16	-	-	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	-	X,Y	11,12	20,21,22,25
	-	-	-	7,9,10	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 3e - STR Results

FBLEGV	<i>Identifiler® Plus</i>					
3e	-	17,19,23,25	-	15,16	11,12	9,11,12
	11,13,15,16	-	-	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	-	X,Y	11,12	20,21,22,25
	-	-	-	7,9,10	8,11	14,17
FLW4YX	<i>Identifiler®</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
GF9G4R	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
GHYP9M	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
GK3KTQ	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,14
GLEBXN	<i>Qiagen Investigator ESSplex plus</i>					
3e	11,15,[16],[19.3]	[17],[19],23,25	[10],11,14	15,16		
	11,[13],[15],16	12,[13],15	19,[20],22		[9],[10],12	[13],15,17
	[14],[15],15.2,16	28,[30],[31],31.2	15,[16]	X,Y		20,21,[22],[25]
				[7],9,10		14,17
GQ8HFW	<i>Identifiler®</i>					
3e		17,19,[23],[25]		15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]			[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]		X,[Y]	[11],12	[20],[21],22,25
				7,[9],10	8,11	[14],17
HDZNYM	<i>Identifiler®</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
HU7APL	<i>Identifiler® Plus</i>					
3e		17,19,[23],[25]		15,15,[16]	11,11,[12]	[9],11,12
	[11],13,15,[16]			[8],11,[12],14	9,10,[12]	13,[15],17
	14,15,15.2,[16]	28,30,31,31.2		X,X,[Y]	[11],12,12	20,21,22,25
				7,[9],10	8,11	[14],17,17

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 3e - STR Results

J2F4DL	<i>Identifiler®</i>						
	3e	N/A	17,19,[23],[25]	N/A	15,[16]	11,[12]	[9],11,12
		[11],13,15,[16]	N/A	N/A	[8],11,[12],14	9,10,[12]	13,[15],17
		14,15,[15.2],[16]	[28],30,31,[31.2]	N/A	X,[Y]	[11],12	[20],[21],22,25
	N/A	N/A	N/A	7,[9],10	8,11	[14],17	
JC28KL	<i>COfiler® and Profiler Plus®</i>						
	3e				15,16	11,12	9,11,12
		11,13,15,16			8,11,12,14		13,15,17
			28,30,31,31.2		X,Y		20,21,22,25
						14,17	
JHPNFK	<i>Identifiler® Plus</i>						
	3e		17,19,[23],[25]		15,15,[16]	11,11,[12]	[9],11,12
		11,13,15,16			8,11,12,14	9,10,12	13,[15],17
		14,15,[15.2],[16]	28,30,31,31.2		X,X,[Y]	[11],12,12	20,21,22,25
				7,9,10	8,11	[14],17,17	
JYVBX	<i>Identifiler®</i>						
	3e		17,19,23,25		15,15,[16]	11,11,[12]	9,11,12
		11,13,15,16			8,11,12,14	9,10,12	13,15,17
		14,15,15.2,16	28,30,31,31.2		X,X,[Y]	11,12,12	20,21,22,25
				7,9,10	8,11	[14],17,17	
K6KN6T	<i>Identifiler®</i>						
	3e		17,19,23,25		15,16	11,12	9,11,12
		11,13,15,16			8,11,12,14	9,10,12	13,15,17
		14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17	
K9XW3Q	<i>PowerPlex® Fusion</i>						
	3e	[11],[15],16,19.3	17,19,[23],[25]	10,11,[14]	15,[16]	11	[9],11,12
		[11],13,15,[16]	[12],13,15	19,20,[22]	8,11,12,14	9,10,12	13,15,17
		14,15,[15.2],[16]	[28],30,31,[31.2]	15,16	X,[Y]	[11],12	[20],[21],22,25
	9,13	[11],12,[15]		7,[9],10	8,11	[14],17	
KGBK3K	<i>AmpFI STR NGM</i>						
	3e	16,19.3	17,19	10,11	15		
		13,15	13,15	19,20		9,10	13,17
		14,15	30,31	15,16	X		22,25
				7,10		17	
KQXLJU	<i>Identifiler® Plus</i>						
	3e	-	17,19,23,25	-	15,16	11,12	9,11,12
		11,13,15,16	-	-	8,11,12,14	9,10,12	13,15,17
		14,15,15.2,16	28,30,31,31.2	-	X,Y	11,12	20,21,22,25
	-	-	-	7,9,10	8,11	14,17	
L8JLPK	<i>PowerPlex® ESI FAST</i>						
	3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16		
		11,13,15,16	12,13,15	19,20,22		9,10,12	13,15,17
		14,15,15.2,16	28,30,31,31.2	15,16	X,Y		20,21,22,25
			28.2,29.2,30.2	7,9,10		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 3e - STR Results

L9E6VR	<i>Identifiler®</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
LAANWT	<i>Identifiler®</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
LH3WHK	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
M7Z3HR	<i>Identifiler® , Identifiler Plus</i>					
3e	-	17,19,23,25	-	15,16	11,12	9,11,12
	11,13,15,16	-	-	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	-	X,Y	11,12	20,21,22,25
	-	-	-	7,9,10	8,11	14,17
MY6ZFF	<i>PowerPlex® Fusion</i>					
3e	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
NAYWM	<i>PowerPlex® PowerPlex 16 HS</i>					
3e			15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
		28,30,31,31.2	X,Y	11,12	20,21,22,25	
	9,13	11,12,15	7,9,10	8,11	14,17	
NP9J4G	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
3e			15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14		13,15,17	
		28,30,31,31.2	X,Y		20,21,22,25	
					14,17	
NX7CGH	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
P24DUJ	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	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 3e - STR Results

PAG2UD	<i>PowerPlex® 16</i>					
	3e			15,[16]	11,[12]	[9],11,[12]
		11,13,15,[16]		8,11,12,14	9,10,12	13,[15],17
			28,30,31,31.2	X,[Y]	[11],12	20,21,22,25
	9,13	[11],12,[15]		7,[9],10	8,11	[14],17
PBBRZR	<i>Identifiler® Plus</i>					
	3e		17,19,[23],[25]	15,[16]	11,[12]	[9],11,12
		[11],13,15,[16]		[8],11,[12],14	9,10,12	13,[15],17
		14,15,[15.2],[16]	28,30,31,31.2	X,[Y]	[11],12	[20],[21],22,25
			7,[9],10	8,11	[14],17	
PE99DL	<i>Identifiler®</i>					
	3e		17,19,23,25	15,16	11,12	9,11,12
		11,13,15,16		8,11,12,14	9,10,12	13,15,17
		14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25
			7,9,10	8,11	14,17	
PP87WE	<i>Identifiler® Plus</i>					
	3e		17,19,[23],[25]	15,[16]	11,[12]	[9],11,12
		[11],13,15,[16]		[8],11,[12],14	9,10,12	13,[15],17
		14,15,[15.2],[16]	[28],30,31,[31.2]	X,[Y]	[11],12	[20],[21],22,25
			7,[9],10	8,11	[14],17	
QPQDXQ	<i>Identifiler®</i>					
	3e		17,19,23,25	15,15,[16]	11,11,[12]	9,11,12
		11,13,15,16		8,11,12,14	9,10,12	13,[15],17
		14,15,15.2,16	28,30,31,31.2	X,X,[Y]	[11],12,12	20,21,22,25
			7,9,10	8,11	[14],17,17	
QVC3JL	<i>PowerPlex® 16HS</i>					
	3e			15,16	11,12	9,11,12
		11,13,15,16		8,11,12,14	9,10,12	13,15,17
			28,30,31,31.2	X,Y	11,12	20,21,22,25
	9,13	11,12,15		7,9,10	8,11	14,17
QYDDBE	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
	3e			15,16	11,12	9,11,12
		11,13,15,16		8,11,12,14		13,15,17
			28,30,31,31.2	X,Y		20,21,22,25
						14,17
QZ8WGM	<i>Identifiler®</i>					
	3e	N/A	17,19,[23],[25]	N/A	15,[16]	11,[12]
		11,13,15,16	N/A	N/A	[8],11,[12],14	9,10,12
		14,15,[15.2],[16]	[28],30,31,[31.2]	N/A	X,[Y]	[11],12
	N/A	N/A	N/A	7,[9],10	8,11	[14],17
REZBQF	<i>Identifiler® Plus</i>					
	3e		17,19,23,25	15,16	11,12	9,11,12
		11,13,15,16		8,11,12,14	9,10,12	13,15,17
		14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25
			7,9,10	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 3e - STR Results

RMGM8M	<i>Identifiler®</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
RRMF3H	<i>Identifiler®</i>					
3e	17,19,[23],[25]		15,[16]	11,[12]	[9],11,12	
	[11],13,15,[16]		[8],11,[12],14	9,10,12	13,[15],17	
	14,15,[15.2],[16]	[28],30,31,[31.2]	X,[Y]	[11],12	[20],[21],22,25	
			7,9,10	8,11	[14],17	
T7Z7FB	<i>Identifiler® Plus</i>					
3e	17,19,[23],[25]		15,15,[16]	11,11,[12]	[9],11,12	
	[11],13,15,[16]		[8],11,12,14	9,10,12	13,[15],17	
	14,15,[15.2],16	[28],30,31,[31.2]	X,X,[Y]	[11],12,12	20,21,22,25	
			7,[9],10	8,11	[14],17,17	
TKMF3F	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
TNH8BD	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
TTXHNG	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
TVYMYF	<i>Identifiler®</i>					
3e	N/A	17,19,[23],[25]	N/A	15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]	N/A	N/A	[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]	N/A	X,[Y]	[11],12	[20],[21],22,25
	N/A	N/A	N/A	7,[9],10	8,11	[14],17
U49CCE	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	8,11	14,17	
UF86PC	<i>Identifiler® Plus</i>					
3e	17,19,23,25		15,16	11,12	9,11,12	
	11,13,15,16		8,11,12,14	9,10,12	13,15,17	
	14,15,15.2,16	28,30,31,31.2	X,Y	11,12	20,21,22,25	
			7,9,10	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 3e - STR Results

UULDLA	<i>PowerPlex® Fusion</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
	9,13	11,12,15		7,9,10	8,11	14,17
UWGWGR	<i>Identifiler® , Minifiler</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
V3WY8H	<i>PowerPlex® Fusion</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
	9,13	11,12,15		7,9,10	8,11	14,17
WLNK7E	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
X7PVP9	<i>Identifiler® Plus</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
XGMYU3	<i>GlobalFiler</i>					
3e	11,15,16,19.3	17,19,[23,25]	10,11,[14]	15,15,[16]	11,11,[12]	[9],11,12
	[11],13,15,[16]	12,13,15	19,20,22	8,11,12,14	9,10,12	13,[15],17
	14,15,[15.2,16]	[28],30,31,[31.2]	15,16	X,X,[Y]	[11],12,12	[20],[21],22,25
			28.2,29.2,[30.2]	7,[9],10	8,11	[14],17,17
XMANEC	<i>Identifiler®</i>					
3e		17,19,[23],[25]		15,[16]	11,[12]	[9],11,12
	[11],13,15,[16]			[8],11,[12],14	9,10,[12]	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]		X,[Y]	[11],12	20,21,22,25
				7,[9],10	8,11	[14],17
XWJTQ3	<i>GlobalFiler</i>					
3e	11,15,16,19.3	17,19,23,25	10,11,14	15,16	11,12	9,11,12
	11,13,15,16	12,13,15	19,20,22	8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2	15,16	X,Y	11,12	20,21,22,25
			28.2,29.2,30.2	7,9,10	8,11	14,17
Y4DHKC	<i>Identifiler®</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	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 3e - STR Results

YCR4UF	<i>Identifiler® , Minifiler</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
YJQUD6	<i>Identifiler® Plus</i>					
3e		17,19,[23],[25]		15,15,[16]	11,11,[12]	[9],11,12
	11,13,15,16			8,11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],16	28,30,31,31.2		X,X,[Y]	[11],12,12	20,21,22,25
				7,[9],10	8,11	[14],17,17
YMR2D9	<i>Identifiler® Plus</i>					
3e		17,19,[23],[25]		15,[16]	11,[12]	[9],11,[12]
	[11],13,15,[16]			[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	[28],30,31,[31.2]		X,[Y]	[11],12	20,21,22,25
				7,[9],10	8,11	[14],17
YXC7PE	<i>Identifiler®</i>					
3e		17,19,23,25		15,16	11,12	9,11,12
	11,13,15,16			8,11,12,14	9,10,12	13,15,17
	14,15,15.2,16	28,30,31,31.2		X,Y	11,12	20,21,22,25
				7,9,10	8,11	14,17
Z233M6	<i>Identifiler®</i>					
3e		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
Z326FF	<i>PowerPlex® 21</i>					
3e	[11],[15],16,19.3	17,19,[23],[25]		15,[16]	11,[12]	9,11,12
	11,13,15,16		19,20,[22]	[8],11,[12],14	9,10,12	13,[15],17
	14,15,[15.2],[16]	28,30,31,31.2		X,[Y]	[11],12	20,21,22,25
	9,13	[11],12,[15]		7,[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 3sp - STR Results

2CKY83	<i>Identifiler® Plus</i>					
3sp		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
2JHNN7	<i>Identifiler® Plus</i>					
3sp		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
2RX897	<i>Identifiler® PLUS</i>					
3sp		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
33AWL2	<i>Identifiler® Plus</i>					
3sp		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
33TZU2	<i>NGMSelect</i>					
3sp	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
3RB494	<i>Identifiler® Plus, PowerPlex® 16HS, 21, ESX, ESI, CS7</i>					
3sp	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
3T3EN4	<i>Identifiler®</i>					
3sp		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
43R8U9	<i>GlobalFiler</i>					
3sp	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
62874C	<i>PowerPlex® PP21</i>					
3sp	11,15	23,25	N/A	15,16	11,12	9,11
	11,16	N/A	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	N/A	X,Y	11,12	20,21
	9,13	11,15	N/A	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 3sp - STR Results

6EGLC3	<i>Identifiler® Plus</i>					
3sp		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
6LEBT7	<i>PowerPlex® PowerPlex16HS</i>					
3sp				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
7AF698	<i>GlobalFiler</i>					
3sp	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
			29.2,30.2	9,10	8,11	14,17
7JPALX	<i>IDplex Plus</i>					
3sp		23,25		15,16	11,12	9,9
	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
7KDXL4	<i>Identifiler®</i>					
3sp		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
7PWTNW						
3sp				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
7TRMLX	<i>Identifiler® PLUS</i>					
3sp		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
7TW4KW	<i>PowerPlex® 16 HS</i>					
3sp				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
7YH4W3	<i>Identifiler® Plus</i>					
3sp		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 3sp - STR Results

7YYDP4	<i>Globalfiler</i>					
3sp	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
8ATTAX	<i>COfiler® and Profiler Plus®</i>					
3sp				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
8F2CCX	<i>PowerPlex® Fusion</i>					
3sp	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
8JZN9X	<i>Identifiler® Plus</i>					
3sp		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
96Z9L9	<i>Identifiler® Plus</i>					
3sp		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
9UWYCX	<i>Identifiler®</i>					
3sp		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
A3AA34	<i>ESI17</i>					
3sp	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
AFDV7T	<i>Identifiler®</i>					
3sp		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
ALZHZY	<i>Globalfiler</i>					
3sp	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

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 3sp - STR Results

ATY8G3	<i>PowerPlex® PowerPlex Fusion</i>					
3sp	11,15	23,25	11,14	15,16	11,12	9,11
	11,13,16	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		7,9,10	8,11	14,17
AYQE3W	<i>PowerPlex® PowerPlex®21</i>					
3sp	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
BPUYQX	<i>Identifiler®</i>					
3sp	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
BVMWJV	<i>Identifiler® Plus</i>					
3sp		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
C6R4YV	<i>Identifiler® Plus</i>					
3sp		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
CGJW6X	<i>Identifiler®</i>					
3sp	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
CT9T7V	<i>Identifiler® Plus</i>					
3sp		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
CVFB6Q	<i>PowerPlex® Fusion</i>					
3sp	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
CX6DCZ	<i>Globalfiler</i>					
3sp	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

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 3sp - STR Results

DH9K64	<i>Identifiler® Plus</i>					
3sp		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
DKDDUW	<i>Identifiler®</i>					
3sp	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
DL8WZ4	<i>Identifiler® Plus</i>					
3sp		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
E9FPHT	<i>Identifiler® Plus</i>					
3sp		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
ECYKLL	<i>PowerPlex® ES1Pro and ESX</i>					
3sp	11,15,[19.3]	23,25	11,14	15,16		
	11,[15],16	12,15	19,22		[10],12	15,17
	[15],15.2,16	28,31.2	15	X,Y		20,21
			29.2,30.2	9,10		14,17
EMJVTR	<i>Identifiler® Plus</i>					
3sp	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
ETNRGX	<i>Identifiler®</i>					
3sp		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
F38T8R	<i>Globalfiler Express</i>					
3sp	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
F7744R	<i>Identifiler® Plus</i>					
3sp	-	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 3sp - STR Results

FBLEGV	<i>Identifiler® Plus</i>						
	3sp	-	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
FLW4YX	<i>Identifiler®</i>						
	3sp		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
GF9G4R	<i>Identifiler® Plus</i>						
	3sp		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
GHYP9M	<i>Identifiler® Plus</i>						
	3sp		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
GK3KTQ	<i>Identifiler® Plus</i>						
	3sp		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
GLEBXN	<i>Qiagen Investigator ESSplex plus</i>						
	3sp	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
					9,10		14,17
GQ8HFW	<i>Identifiler®</i>						
	3sp		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
HDZNYM	<i>Identifiler®</i>						
	3sp		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
HU7APL	<i>Identifiler® Plus</i>						
	3sp		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 3sp - STR Results

J2F4DL	<i>Identifiler®</i>						
	3sp	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	
JC28KL	<i>COfiler® and Profiler Plus®</i>						
	3sp				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y		20,21
						14,17	
JHPNFK	<i>Identifiler® Plus</i>						
	3sp		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	
JYEVBX	<i>Identifiler®</i>						
	3sp		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	
K6KN6T	<i>Identifiler®</i>						
	3sp		23,25		15,16	11,12	9,11
		11,[15],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	
K9XW3Q	<i>PowerPlex® Fusion</i>						
	3sp	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	
KGBK3K	<i>AmpFI STR NGM</i>						
	3sp	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	
KQXLJU	<i>Identifiler® Plus</i>						
	3sp	-	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	
L8JLPK	<i>PowerPlex® ESI FAST</i>						
	3sp	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	

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 3sp - STR Results

L9E6VR	<i>Identifiler®</i>					
3sp		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
LAANWT	<i>Identifiler®</i>					
3sp		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
LH3WHK	<i>Identifiler® Plus</i>					
3sp		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
M7Z3HR	<i>Identifiler® , Identifiler Plus</i>					
3sp	-	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
MY6ZFF	<i>PowerPlex® Fusion</i>					
3sp	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
NAYWM	<i>PowerPlex® PowerPlex 16 HS</i>					
3sp				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
NP9J4G	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
3sp				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
NX7CGH	<i>Identifiler® Plus</i>					
3sp		23,25		15,16	11,12	9,11
	11,16			8,12		15,17
	15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17
P24DUJ	<i>Identifiler® Plus</i>					
3sp		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 3sp - STR Results

PAG2UD	<i>PowerPlex® 16</i>					
3sp				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
PBBRZR	<i>Identifiler® Plus</i>					
3sp		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
PE99DL	<i>Identifiler®</i>					
3sp		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
PP87WE	<i>Identifiler® Plus</i>					
3sp		[17],[19],23,25		15,16	11,12	9,11,[12]
	11,[13],[15],16			8,[11],12,[14]	[9],[10],12	[13],15,17
	[14],[15],15.2,16	28,[30],[31],31.2		X,Y	11,12	20,21,[22],[25]
				[7],9,10	8,11	14,17
QPQDXQ	<i>Identifiler®</i>					
3sp		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
QVC3JL	<i>PowerPlex® 16HS</i>					
3sp				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
QYDDBE	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
3sp				15,16	11,12	9,11
	11,16			8,12		15,17
		28,31.2		X,Y		20,21
						14,17
QZ8WGM	<i>Identifiler®</i>					
3sp	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
REZBQF	<i>Identifiler® Plus</i>					
3sp		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 3sp - STR Results

RMGM8M	<i>Identifiler®</i>					
3sp		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
RRMF3H	<i>Identifiler®</i>					
3sp		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
T7Z7FB	<i>Identifiler® Plus</i>					
3sp		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
TKMF3F	<i>Identifiler® Plus</i>					
3sp		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
TNH8BD	<i>Identifiler® Plus</i>					
3sp		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
TTXHNG	<i>Identifiler® Plus</i>					
3sp		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
TVYMYF	<i>Identifiler®</i>					
3sp	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
U49CCE	<i>Identifiler® Plus</i>					
3sp		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
UF86PC	<i>Identifiler® Plus</i>					
3sp		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 3sp - STR Results

UULDLA	<i>PowerPlex® Fusion</i>					
3sp	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
UWGWGR	<i>Identifiler®, Minifiler</i>					
3sp		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
V3WY8H	<i>PowerPlex® Fusion</i>					
3sp	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
WLNK7E	<i>Identifiler® Plus</i>					
3sp		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
X7PVP9	<i>Identifiler® Plus</i>					
3sp		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
XGMYU3	<i>GlobalFiler</i>					
3sp	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
XMANEC	<i>Identifiler®</i>					
3sp		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
XWJTQ3	<i>GlobalFiler</i>					
3sp	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
			29.2,30.2	9,10	8,11	14,17
Y4DHKC	<i>Identifiler®</i>					
3sp		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 3sp - STR Results

YCR4UF	<i>Identifiler® , Minifiler</i>					
3sp		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
YJQUD6	<i>Identifiler® Plus</i>					
3sp		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
YMR2D9	<i>Identifiler® Plus</i>					
3sp		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
YXC7PE	<i>Identifiler®</i>					
3sp		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
Z233M6	<i>Identifiler®</i>					
3sp		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
Z326FF	<i>PowerPlex® 21</i>					
3sp	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

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

2CKY83	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
2JHNN7	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
2RX897	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
33AWL2	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
33TZU2	<i>NGMSelect</i>					
4	16,19.3	17,19	10,11	15,15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17,17
3RB494	<i>Identifiler® Plus, PowerPlex® 16HS, 21, ESX, ESI, CS7</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12	28.2,29.2	7,10	8,11	17
3T3EN4	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
43R8U9	<i>GlobalFiler</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
62874C	<i>PowerPlex® PP21</i>					
4	16,19.3	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	19,20	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	9,13	12,12	N/A	7,10	8,11	17,17

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 4 - STR Results

6EGLC3	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12	22,25
				7,10	8,11	17
6LEBT7	<i>PowerPlex® PowerPlex16HS</i>					
4				15	11	11,12
	13,15			11,14	9,10	13,17
		30,31		X	12	22,25
	9,13	12		7,10	8,11	17
76MZJ9	<i>Globalfiler</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
			28.2,29.2	7,10	8,11	17
7AF698	<i>GlobalFiler</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
			28.2,29.2	7,10	8,11	17
7JPALX	<i>IDplex Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
7KDXL4	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
7PWTNW						
4				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
7TRMLX	<i>Identifiler® PLUS</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
7TW4KW	<i>PowerPlex® 16 HS</i>					
4				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17

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 4 - STR Results

7YH4W3	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12	22,25
				7,10	8,11	17
7YYDP4	<i>Globalfiler</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
8ATTAX	<i>COfiler® and Profiler Plus®</i>					
4				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
8F2CCX	<i>PowerPlex® Fusion</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
8JZN9X	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
96Z9L9	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
9UWYCX	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
A3AA34	<i>ES17</i>					
4	16,19.3	17,19	10,11	15,15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17,17
AFDV7T	<i>Identifiler®</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17

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 4 - STR Results

ALZHY	<i>Globalfiler</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,[9],10	8,11	17,17
AN4DJ2	<i>Globalfiler</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
ATY8G3	<i>PowerPlex® PowerPlex Fusion</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
AYQ83Q	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
AYQE3W	<i>PowerPlex® PowerPlex®21</i>					
4	16,19.3	17,19		15	11	11,12
	13,15		19,20	11,14	9,10	13,17
	14,15	30,31		X	12	22,25
	9,13	12		7,10	8,11	17
BPFDGW	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
BPUYQX	<i>Identifiler®</i>					
4	N/A	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	N/A	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17
BVMWJV	<i>Identifiler® Plus, MiniFiler</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
C6R4YV	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	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 4 - STR Results

CGJW6X	<i>Identifiler®</i>						
	4	N/A	17,19	N/A	15,15	11,11	11,12
		13,15	N/A	N/A	11,14	9,10	13,17
		14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17	
CT9T7V	<i>Identifiler® Plus</i>						
	4		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
CVFB6Q	<i>PowerPlex® Fusion</i>						
	4	16,19.3	17,19	10,11	15,15	11,11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17	
CX6DCZ	<i>Globalfiler</i>						
	4	16,19.3	17,19	10,11	15,15	11,11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17	
DH9K64	<i>Identifiler® Plus</i>						
	4		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
DKDDUW	<i>Identifiler®</i>						
	4	N/A	17,19	N/A	15,15	11,11	11,12
		13,15	N/A	N/A	11,14	9,10	13,17
		14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17	
DL8WZ4	<i>Identifiler® Plus</i>						
	4		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
E9FPHT	<i>Identifiler® Plus</i>						
	4		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
ECYKLL	<i>PowerPlex® ESIPro and ESX</i>						
	4	16,19.3	17,19	10,11	15		
		13,15	13,15	19,20		9,10	13,17
		14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		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 4 - STR Results

EMJVTR	NGM S <i>Elect</i>					
4	16,19.3	17,19	10,11	15,15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17,17
ETNRGX	Identifiler®					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
F38T8R	Globalfiler Express					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
F7744R	Identifiler® Plus					
4	-	17,19	-	15	11	11,12
	13,15	-	-	11,14	9,10	13,17
	14,15	30,31	-	X,X	12	22,25
	-	-	-	7,10	8,11	17
FBLEGV	Identifiler® Plus					
4	-	17,19	-	15	11	11,12
	13,15	-	-	11,14	9,10	13,17
	14,15	30,31	-	X,X	12	22,25
	-	-	-	7,10	8,11	17
FLW4YX	Identifiler®					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
GF9G4R	Identifiler® Plus					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
GHYP9M	Identifiler® Plus					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
GK3KTQ						
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17

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 4 - STR Results

GLEBXN	Qiagen Investigator ESSplex plus					
4	16,19.3	17,19	10,11	15,15		
	13,15	13,15	19,20		9,10	13,17
	14,15	30,31	15,16	X,X		22,25
				7,10		17,17
GQ8HFW	Identifiler®					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
HDZNMY	Identifiler®					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
HU7APL	Identifiler® Plus					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
J2F4DL	Identifiler®					
4	N/A	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	N/A	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17
JC28KL	COfiler® and Profiler Plus®					
4				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
JHPNFK	Identifiler® Plus					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
JYEVBX	Identifiler®					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
K6KN6T	Identifiler®					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17

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 4 - STR Results

K9XW3Q	<i>PowerPlex® Fusion</i>						
	4	16,19.3	17,19	10,11	15	11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17	
KGBK3K	<i>AmpFI STR NGM Kit</i>						
	4	16,19.3	17,19	10,11	15		
		13,15	13,15	19,20		9,10	13,17
		14,15	30,31	15,16	X		22,25
				7,10		17	
KQXLJU	<i>Identifiler® Plus</i>						
	4	-	17,19	-	15	11	11,12
		13,15	-	-	11,14	9,10	13,17
		14,15	30,31	-	X,X	12	22,25
	-	-	-	7,10	8,11	17	
L8JLPK	<i>PowerPlex® ESI FAST</i>						
	4	16,19.3	17,19	10,11	15,15		
		13,15	13,15	19,20		9,10	13,17
		14,15	30,31	15,16	X,X		22,25
			28.2,29.2	7,10		17,17	
L9E6VR	<i>Identifiler®</i>						
	4		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
LAANWT	<i>Identifiler®</i>						
	4		17,19		15	11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X	12	22,25
				7,10	8,11	17	
LH3WHK	<i>Identifiler® Plus</i>						
	4		17,19		15,15	11,11	11,12
		13,15			11,14	9,10	13,17
		14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17	
LNNT4L	<i>PowerPlex® Fusion, AmpFLSTR® NGM</i>						
	4	16,19.3	17,19	10,11	15	11	11,12
		13,15	13,15	19,20	11,14	9,10	13,17
		14,15	30,31	15,16	X	12	22,25
	9,13	12	not tested	7,10	8,11	17	
M7Z3HR	<i>Identifiler® , Identifiler Plus</i>						
	4	-	17,19	-	15	11	11,12
		13,15	-	-	11,14	9,10	13,17
		14,15	30,31	-	X,X	12	22,25
	-	-	-	7,10	8,11	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 4 - STR Results

MY6ZFF	<i>PowerPlex® Fusion</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
NAYWM	<i>PowerPlex® PowerPlex 16 HS</i>					
4				15	11	11,12
	13,15			11,14	9,10	13,17
		30,31		X	12	22,25
	9,13	12		7,10	8,11	17
NP9J4G	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
4				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
NX7CGH	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
P24DUJ	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
P89UME						
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28.2,29.2	7,10	8,11	17,17
PAG2UD	<i>PowerPlex® 16</i>					
4				15,15	11,11	11,12
	13,15			11,14	9,10	13,17
		30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
PBBRZR	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
PE99DL	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	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 4 - STR Results

PP87WE	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
QPQDXQ	<i>Identifiler®</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
QVC3JL	<i>PowerPlex® 16HS</i>					
4				15	11	11,12
	13,15			11,14	9,10	13,17
		30,31		X	12	22,25
	9,13	12		7,10	8,11	17
QYDDBE	<i>COfiler® and Profiler Plus® Profiler Plus</i>					
4				15,15	11,11	11,12
	13,15			11,14		13,17
		30,31		X,X		22,25
						17,17
QZ8WGM	<i>Identifiler®</i>					
4	N/A	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	N/A	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17
REZBQF	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
RMGM8M	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
RRMF3H	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
RZ3YHB	<i>Identifiler® , PLUS</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17

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 4 - STR Results

T7Z7FB	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
TKMF3F	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
TNH8BD	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12	22,25
				7,10	8,11	17
TTXHNG	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
TVYMYF	<i>Identifiler®</i>					
4	N/A	17,19	N/A	15,15	11,11	11,12
	13,15	N/A	N/A	11,14	9,10	13,17
	14,15	30,31	N/A	X,X	12,12	22,25
	N/A	N/A	N/A	7,10	8,11	17,17
U49CCE	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12	22,25
				7,10	8,11	17
U64VEF	<i>Identifiler® Plus</i>					
4	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
UF86PC	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
UULDLA	<i>PowerPlex® Fusion</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17

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 4 - STR Results

UWGWRG	<i>Identifiler® , Minifiler</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
V3WY8H	<i>PowerPlex® Fusion</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
	9,13	12		7,10	8,11	17
WLNK7E	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
X7PVP9	<i>Identifiler® Plus</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
XGMYU3	<i>GlobalFiler</i>					
4	16,19.3	17,19	10,11	15,15	11,11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X,X	12,12	22,25
			28,2,29,2	7,10	8,11	17,17
XMANEC	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
XWJTQ3	<i>GlobalFiler</i>					
4	16,19.3	17,19	10,11	15	11	11,12
	13,15	13,15	19,20	11,14	9,10	13,17
	14,15	30,31	15,16	X	12	22,25
			28,2,29,2	7,10	8,11	17
Y4DHKC	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
YCR4UF	<i>Identifiler® , Minifiler</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	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 4 - STR Results

YJQUD6	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
YMR2D9	<i>Identifiler® Plus</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
YXC7PE	<i>Identifiler®</i>					
4		17,19		15,15	11,11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
				7,10	8,11	17,17
Z233M6	<i>Identifiler®</i>					
4		17,19		15	11	11,12
	13,15			11,14	9,10	13,17
	14,15	30,31		X	12	22,25
				7,10	8,11	17
Z326FF	<i>PowerPlex® 21</i>					
4	16,19.3	17,19		15,15	11,11	11,12
	13,15		19,20	11,14	9,10	13,17
	14,15	30,31		X,X	12,12	22,25
	9,13	12,12		7,10	8,11	17,17
Z8TCW3	<i>Identifiler® Plus</i>					
4	-	17,19	-	15,15	11,11	11,12
	13,15	-	-	11,14	9,10	13,17
	14,15	30,31	-	X,X	12,12	22,25
	-	-	-	7,10	8,11	17,17

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

BPUYQX	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CGJW6X	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

F2XGUW	PowerPlex® Y 23								
	1	[REDACTED]							

F7744R	1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

FBLEGV	Yfiler®								
	1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

JE7TDR	PowerPlex® Y 23								
	1	[REDACTED]							

JH749R	PowerPlex® Y 23								
	1	[REDACTED]							

KQXLJU	Yfiler®								
	1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

LNNT4L	PowerPlex® Y Y23								
	1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

QZ8WGM	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

V3WY8H	PowerPlex Fusion								
	1							NR	
<hr/>									
XGMYU3	GlobalFiler Express								
	1							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 2 - YSTR Results

2JHNN7	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
2RX897	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
3RB494	PowerPlex® Y Y23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		
6EGLC3	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
6LEBT7	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
76MZJ9	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11	2	
7AF698	GlobalFiler 2						11		
									2
7JPALX	PowerPlex® Y 23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		
7KDXL4	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
7TW4KW	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		

TABLE 2

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

Item 2 - YSTR Results

7YH4W3	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
8F2CCX	Fusion 2						11		
8JZN9X	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
96Z9L9	PowerPlex® Y 23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		
9UWYCX	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
AFDV7T	Yfiler® 2	13	14,17	13	30	24	11	16	
		14	11		20	15	17		
			18	18	22		11		
ALZHZY	Globalfiler 2						11		
									2
ATY8G3	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
AYQE3W	Yfiler® plus 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
			18	18	22		11		
BPFDGW	PowerPlex® Y 23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		

TABLE 2

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

Item 2 - YSTR Results

BPUYQX	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	N/A	N/A
		N/A	N/A	N/A	22	N/A	11	N/A	
BVMWJV	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
C6R4YV	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
CGJW6X	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	N/A	N/A
		N/A	N/A	N/A	22	N/A	11	N/A	
CVFB6Q	PowerPlex® Y 23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		
CX6DCZ	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
DH9K64	PowerPlex Y23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		
DL8WZ4	PowerPlex® Y 23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		
E9FPHT	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
ECYKLL	PowerPlex® Y 23 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	25	11
		13	18	18	22	11	11		

TABLE 2

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

Item 2 - YSTR Results

EMJVTR	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
ETNRGX	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
F2XGUW	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		
F7744R	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	-	-
			-	-	-	22	-	11	-	-
FBLEGV	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	-	-
			-	-	-	22	-	11	-	-
GF9G4R	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
GHYP9M	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
GLEBXN	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		
GQ8HFW	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
JE7TDR	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		

TABLE 2

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

Item 2 - YSTR Results

JH749R	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		
K6KN6T	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
K9XW3Q	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		
KGBK3K	Yfiler®	2	17	10,14	13	30	25	10	11	13
			14	11	11	20	17	16		
						23		12		
KQXLJU	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	-	-
			-	-	-	22	-	11	-	-
L9E6VR	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
LH3WHK	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
LNNT4L	PowerPlex® Y Y23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11	not tested	
M7Z3HR	Yfiler® Y-Filer	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	-	-
			-	-	-	22	-	11	-	-
MY6ZFF	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		

TABLE 2

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

Item 2 - YSTR Results

NAYVWM	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
NX7CGH	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
P24DUJ	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
P89UME	2						11		
								2	
PAG2UD	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
PE99DL	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
QVC3JL	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
QZ8WGM	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17	N/A	N/A
		N/A	N/A	N/A	22	N/A	11	N/A	
REZBQF	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		
RMGM8M	Yfiler® 2	13	14,17	13	30	24	11	16	13
		14	11	11	20	15	17		
					22		11		

TABLE 2

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

Item 2 - YSTR Results

TKMF3F	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
TNH8BD	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
TTXHNG	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
U49CCE	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
UF86PC	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
UULDLA	PowerPlex® Y 23	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17	25	11
			13	18	18	22	11	11		
UWGWRG	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
V3WY8H	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
WLNK7E	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
X7PVP9	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		

TABLE 2

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

Item 2 - YSTR Results

XGMYU3	Yfiler®, GlobalFiler	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11	2	
Y4DHKC	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
YCR4UF	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		
YXC7PE	Yfiler®	2	13	14,17	13	30	24	11	16	13
			14	11	11	20	15	17		
						22		11		

TABLE 2

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

Item 3 - YSTR Results

76MZJ9	Yfiler® 3	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	
BPFDGW	PowerPlex® Y 23 3	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
LNNT4L	PowerPlex® Y 23 3	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12	not tested	
P89UME	3						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 3e - YSTR Results

2RX897	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
3RB494	PowerPlex® Y Y23								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
6EGLC3	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
6LEBT7	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
7AF698	GlobalFiler								
	3e						11		
								2	
7JPALX	PowerPlex® Y 23								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
7KDXL4	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
7TW4KW	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
7YH4W3	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
8F2CCX	Fusion								
	3e						11		

TABLE 2

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

Item 3e - YSTR Results

8JZN9X	Yfiler® 3e	[Redacted]								
9UWYCX	Yfiler® 3e	[Redacted]								
AFDV7T	Yfiler® 3e	14	11,13	13	29	24	11	14		
		15	12	18	16	17				
			17	18	23		12			
ALZHZY	Globalfiler 3e						11			
								2		
ATY8G3	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
AYQE3W	Yfiler® plus 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
			17	18	23		12			
BPUYQX	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	N/A	N/A	
		N/A	N/A	N/A	23	N/A	12	N/A		
BVMWJV	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
C6R4YV	Yfiler® 3e	[Redacted]								
CGJW6X	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	N/A	N/A	
		N/A	N/A	N/A	23	N/A	12	N/A		

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

CVFB6Q	PowerPlex® Y 23 3e	[REDACTED]								
CX6DCZ	Yfiler® 3e	[REDACTED]								
ECYKLL	PowerPlex® Y 23 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
EMJVTR	Yfiler® 3e	[REDACTED]								
ETNRGX	Yfiler® 3e	[REDACTED]								
F7744R	Yfiler® 3e	14	11	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
FBLEGV	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
GHYP9M	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
GLEBXN	PowerPlex® Y 23 3e	[REDACTED]								
GQ8HFW	Yfiler® 3e	[REDACTED]								

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

K6KN6T	Yfiler® 3e	[Redacted]								
K9XW3Q	PowerPlex® Y 23 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
KGBK3K	Yfiler® 3e	[Redacted]								
KQXLJU	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-		
L9E6VR	Yfiler® 3e	[Redacted]								
LH3WHK	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
M7Z3HR	Yfiler® Y-Filer 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-		
MY6ZFF	PowerPlex® Y Fusion 3e	[Redacted]								
NAYVVM	Yfiler® 3e	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
NX7CGH	Yfiler® 3e	[Redacted]								

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

PAG2UD	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23			12		
PE99DL	Yfiler®								
	3e								
QVC3JL	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23			12		
QZ8WGM	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
REZBQF	Yfiler®								
	3e								
RMGM8M	Yfiler®								
	3e								
TNH8BD	Yfiler®								
	3e			13	29	24	11	14	13
		15	12		18	16	17		
				23					
U49CCE	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23			12		
UF86PC	Yfiler®								
	3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23			12		
UULDLA	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 3e - YSTR Results

UWGWRG	Yfiler® 3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
V3WY8H	Yfiler® 3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
X7PVP9	Yfiler® 3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
XGMYU3	Yfiler® , GlobalFiler 3e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12	2	
Y4DHKC	Yfiler®								
	3e								
YCR4UF	Yfiler®								
	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

2JHNN7	Yfiler® 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2RX897	Yfiler® 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3RB494	PowerPlex® Y Y23 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
6EGLC3	Yfiler® 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
6LEBT7	Yfiler® 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7AF698	GlobalFiler 3sp						11		
								2	
7JPALX	PowerPlex® Y 23 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
7KDXL4	Yfiler® 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7TW4KW	Yfiler® 3sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7YH4W3	Yfiler® 3sp	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 3sp - YSTR Results

8F2CCX	Fusion 3sp						11		
8JZN9X	Yfiler® 3sp	14 15	11,13 12	13 13	29 18	24 16	11 17	14	13
96Z9L9	PowerPlex® Y 23 3sp	14 15	11,13 12	13 13	29 18	24 16	11 17	14 24	13 13
9UWYCX	Yfiler® 3sp	14 15	11,13 12	13 13	29 18	24 16	11 17	14	13
AFDV7T	Yfiler® 3sp								
ALZHZY	Globalfiler 3sp						11,[12]		
ATY8G3	Yfiler® 3sp	14 15	11,13 12	13 13	29 18	24 16	11 17	14	13
AYQE3W	YFiler® plus 3sp	14 15	11,13 12 17	13 13 18	29 18 23	24 16	11 17 12	14 24	13 13
BPUYQX	Yfiler® 3sp	14 15 N/A	11,13 12 N/A	13 13 N/A	29 18 23	24 16 N/A	11 17 12	14 N/A N/A	13 N/A
BVMWJV	Yfiler® 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 3sp - YSTR Results										
C6R4YV	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
CGJW6X	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	N/A	N/A	
		N/A	N/A	N/A	23	N/A	12	N/A		
CVFB6Q	PowerPlex® Y 23 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
CX6DCZ	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
DH9K64	PowerPlex Y23 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
DL8WZ4	3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
E9FPHT	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
ECYKLL	PowerPlex® Y 23 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
EMJVTR	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
ETNRGX	Yfiler® 3sp	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 3sp - YSTR Results										
F7744R	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
FBLEGV	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
GF9G4R	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
GHYP9M	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
GLEBXN	PowerPlex® Y 23 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12	-	-	
GQ8HFW	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
K6KN6T	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
K9XW3Q	PowerPlex® Y 23 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12	-	-	
KGBK3K	Yfiler® 3sp	17	14,15	13	31	24	11	11	13	
		15	10	12	20	15	18	-	-	
		-	-	-	24	-	11	-	-	
KQXLJU	Yfiler® 3sp	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 3sp - YSTR Results										
L9E6VR	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
LH3WHK	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
M7Z3HR	Yfiler® Y-Filer 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	-	-	
		-	-	-	23	-	12	-	-	
MY6ZFF	PowerPlex® Y Fusion 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
NAYVM	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
NX7CGH	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
P24DUJ	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
PAG2UD	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
PE99DL	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
QVC3JL	Yfiler® 3sp	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 3sp - YSTR Results										
QZ8WGM	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	N/A	N/A	
		N/A	N/A	N/A	23	N/A	12	N/A		
REZBQF	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
RMGM8M	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
TKMF3F	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
TNH8BD	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
TTXHNG	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
U49CCE	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
UF86PC	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
UULDLA	PowerPlex® Y 23 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17	24	13	
		12	17	18	23	10	12			
UWGWRG	Yfiler® 3sp	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 3sp - YSTR Results										
V3WY8H	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
WLNK7E	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
X7PVP9	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
XGMYU3	Yfiler® , GlobalFiler 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12	2		
Y4DHKC	Yfiler® 3sp	14	11,13	13	29	24	11	14	13	
		15	12	13	18	16	17			
					23		12			
YCR4UF	Yfiler® 3sp	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 4 - YSTR Results

3RB494	PowerPlex® Y Y23									
	4									
7TW4KW	Yfiler®									
	4	NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR		
					NR			NR		
BPFDGW	PowerPlex® Y 23									
	4									
CGJW6X										
	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
F7744R										
	4	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
FBLEGV	Yfiler®									
	4	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
KGBK3K	Yfiler®									
	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA		
					NA			NA		
KQXLJU	Yfiler®									
	4	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
LNNT4L	PowerPlex® Y 23									
	4	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	not tested	
PAG2UD	Yfiler®									
	4	NR	NR	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 4 - YSTR Results

QZ8WGM

4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

V3WY8H

Yfiler®

4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR		
				NR		NR			

XGMYU3

Yfiler®, GlobalFiler

4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR		
				NR		NR	NR		

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D6	62874C	15,19	11,14		11,15,17,19	11,17	15,19		
D6S1043	AYQE3W	15,19	11,14		11,15,17,19	11,17	15,19		
	Z326FF	15,19	11,14		[11],15,[17],19	11,17	15,19		
DYF387S1	AYQE3W		40,43		36,37	36,37			
DYS391	43R8U9		11		[11]	11			
	7YYDP4		11		[11]	11			
	ATY8G3		11		11	11			
	CX6DCZ				[11]				
	V3WY8H		11		11	11	NR		
DYS449	AYQE3W		30		31	31			
DYS460	AYQE3W		11		11	11			
DYS518	AYQE3W		36		40	40			
DYS627	AYQE3W		20		21	21			
F13A01	3RB494	5,8	6		3.2,5,8	3,2,5	5,8		
F13B	3RB494	6,8	10		6,8,9	9	6,8		
FESFPS	3RB494	10,11	11,12		10,11,12	12	10,11		
LPL	3RB494	11,12	10,12		10,11,12	11	11,12		
Y INDEL	43R8U9		2		[2]	2			
YINDEL	7YYDP4		2		[2]	2			
	CX6DCZ		2		[2]	2			

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
2BPF62					7TW4KW	Yes	Yes	No	No
2CKY83	Yes	Yes	No	No	7YH4W3	Yes	Yes	No	No
2JHNN7	Yes	Yes	No	No	7YYDP4	Yes	Yes	No	No
2RX897	Yes	Yes	No	No	8ATTAX	Yes	Yes	No	No
33AWL2	Yes	Yes	No	No	8F2CCX	Yes	Yes	No	No
33TZU2	Yes	Yes	No	No	8JZN9X	Yes	Yes	No	No
3RB494	Yes	Yes	No	No	96Z9L9	Yes	Yes	No	No
3T3EN4	Yes	Yes	No	No	9UWYCX	Yes	Yes	No	No
43R8U9	Yes	Yes	No	No	A3AA34	Yes	Yes	No	No
62874C	Yes	Yes	No	No	AFDV7T	Yes	Yes	No	No
6EGLC3	Yes	Yes	No	No	ALZHZY	Yes	Yes	No	No
6LEBT7	Yes	Yes	No	No	AN4DJ2	Yes	Yes	No	No
76MZJ9	Yes	Yes	No	No	ATY8G3	Yes	Yes	No	No
7AF698	Yes	Yes	No	No	AYQ83Q	Yes	Yes	No	No
7JPALX	Yes	Yes	No	No	AYQE3W	Yes	Yes	No	No
7KDXL4	Yes	Yes	No	No	BPFDGW	Yes	Yes	No	No
7PWTNW	Yes	Yes	No	No	BPUYQX	Yes	Yes	No	No
7TRMLX	Yes	Yes	No	No	BVMWJV	Yes	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
C6R4YV	Yes	Yes	No	No	GK3KTQ	Yes	Yes	No	No
CGJW6X	Yes	Yes	No	No	GLEBXN	Yes	Yes	No	No
CR42G3	No Interpretations Reported, DNA Analyzed for Database purposes only.				GQ8HFW	Yes	Yes	No	No
CT9T7V	Yes	Yes	No	No	GR3ZHX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
CVFB6Q	Yes	Yes	No	No	HDZNMV	Yes	Yes	No	No
CX6DCZ	Yes	Yes	No	No	HU7APL	Yes	Yes	No	No
DH9K64	Yes	Yes	No	No	J2F4DL	Yes	Yes	No	No
DKDDUW	Yes	Yes	No	No	JC28KL	Yes	Yes	No	No
DL8WZ4	Yes	Yes	No	No	JE7TDR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E9FPHT	Yes	Yes	No	No	JH749R	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ECYKLL	Yes	Yes	No	No	JHPNFK	Yes	Yes	No	No
EMJVTR	Yes	Yes	No	No	JYEVBX	Yes	Yes	No	No
ETNRGX	Yes	Yes	No	No	K6KN6T	Yes	Yes	No	No
F2XGUW	No Interpretations Reported, DNA Analyzed for Database purposes only.				K9XW3Q	Yes	Yes	No	No
F38T8R	Yes	Yes	No	No	KGBK3K	Yes	Yes	No	No
F7744R	Yes	Yes	No	No	KQXLJU	Yes	Yes	No	No
FBLEGV	Yes	Yes	No	No	L8JLPK	Yes	Yes	No	No
FLW4YX	Yes	Yes	No	No	L9E6VR	Yes	Yes	No	No
GF9G4R	Yes	Yes	No	No	LAANWT	Yes	Yes	No	No
GHYP9M	Yes	Yes	No	No	LH3WHK	Yes	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LNNT4L	Yes	Yes	No	No	T7Z7FB	Yes	Yes	No	No
M7Z3HR	Yes	Yes	No	No	TKMF3F	Yes	Yes	No	No
MY6ZFF	Yes	Yes	No	No	TNH8BD	Yes	Yes	No	No
NAYVWM	Yes	Yes	No	No	TTXHNG	Yes	Yes	No	No
NP9J4G	Yes, (blood); No, (sp)	Yes	No	No	TVYMYF	Yes	Yes	No	No
NX7CGH	Yes	Yes	No	No	U49CCE	Yes	Yes	No	No
P24DUJ	Yes	Yes	No	No	U64VEF				
P89UME	Yes	Yes	No	No	UF86PC	Yes	Yes	No	No
PAG2UD	Yes	Yes	No	No	UULDLA	Yes	Yes	No	No
PBBRZR	Yes	Yes	No	No	UWGWRG	Yes	Yes	No	No
PE99DL	Yes	Yes	No	No	V3WY8H	Yes	Yes	No	No
PP87WE	Yes	Yes	No	No	WLNK7E	Yes	Yes	No	No
QPQDXQ	Yes	Yes	No	No	WXDJWG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QVC3JL	Yes	Yes	No	No	X7PVP9	Yes	Yes	No	No
QYDDBE	Yes	Yes	No	No	XGMYU3	Yes	Yes	No	No
QZ8WGM	Yes	Yes	No	No	XMANEC	Yes	Yes	No	No
REZBQF	Yes	Yes	No	No	XWJTQ3	Yes	Yes	No	No
RMGM8M	Yes	Yes	No	No	Y4DHKC	Yes	Yes	No	No
RRMF3H	Yes	Yes	No	No	YCR4UF	Yes	Yes	No	No
RZ3YHB	Yes	Yes	No	No	YJQUD6	Yes	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
YMR2D9	Yes	Yes	No	No					
YXC7PE	Yes	Yes	No	No					
Z233M6	Yes	Yes	No	No					
Z326FF	Yes	Yes	No	No					
Z8TCW3	Yes	Yes	No	No					

Response Summary **Participants reporting DNA results: 121**

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)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
	Yes	113	113	0
No	0	0	113	113
Inc	0	0	0	0

Participants not reporting Interpretation results: 8

Additional Comments

TABLE 5

WebCode	Additional Comments
6LEBT7	Quantification results for item 4 showed no male DNA present. It was therefore excluded from Yfiler analysis.
76MZJ9	Noted a high -4, & +4 stutter on 16 allele at Y_DY5392. seen in item 2.
7TW4KW	NR = Sample was analyzed for YSTRs, but no DNA results were detected at the given locus. Female reference samples are not analyzed for YSTRs, therefore Item 1 was not analyzed for YSTRs.
9UWYCX	The laboratory uses Identifiler and PowerPlex 16 for reference profiling and double allele noticing for homozygotes. The laboratory only uses Identifiler for trace profiling and single allele noticing for homozygotes.
AFDV7T	1-The genetic profile of the victim (Item 1) match the genetic profile of blood stain on (Item 4). 2-Differential extraction was performed for (Item 3), so the genetic profile showed mixture between victim and unknown male.(Different Male of Item 2). 3-The genetic profile of (Item 2) which is blood, refers to suspect.
ATY8G3	Elevated stutter was present in Items 2 and 3-m for the Y-filer kit
AYQ83Q	Victim and suspect vs DNA results from Item 3 : Number of alleles of suspect's genetic profile are not detected in the mixture profile obtained with the crime sample Item 3. The DNA evidence demonstrates that the suspect's DNA is excluded as being a contributor to crime sample Item 3. All alleles of victim's[sc] genetic profile are detected in the mixture profile obtained with crime sample Item 3. The DNA evidence suggests that victim's DNA contributes as minor component to the mixture obtained with crime sample Item 3. A complete unknown male genetic profile, corresponding of the major component in the mixture, can be deduced by deconvolution of the victim's genetic profile and sent to the DNA database for comparison (alleles without brackets). Victim vs DNA results from Item 4 : All alleles of victim's genetic profile are identical with alleles obtained with crime sample Item 4. Random match probability : 1.5×10^{-18} (with $\theta = 0.02$ and Caucasian population data) Likelihood ratio = 6.4×10^{17} . The DNA evidence is more than 1 billion times more likely if the victim is the source of the crime sample Item 4 than if some other person is the source of the crime sample Item 4. The suspect is excluded as being a contributor.
CVFB6Q	1. Samples item#2, item#3, and item#4 were extracted using the QIAamp DNA Investigator Kit as indicated by the manufacturer. 2. Differential extraction was performed for item#3 according to the laboratory Standard Operating Procedure (SOP). 3. The extracted DNA samples were quantified using the Quantifiler Human DNA Quantification Kit through 7500 Real Time PCR machine according to the SOP. 4. Multiplex amplification was performed on all the extracted DNA samples using the Powerplex Fusion. Item#1 was amplified using 1.2 mm FTA punch. 5. Y-STR analyses were performed for the item#2 and item#3 (male fraction) using the Powerplex Y23. 6. Capillary electrophoresis was carried out through AB 3130xl Genetic Analyzer. 7. Genotype analysis was performed using the GeneMapped[sc] ID version 3.2.1 software.
EMJVTR	The staining on victim's underwear (item 3) was sperm eluted. Both seminal and epithelial fractions were submitted for standard (NGM SE) DNA analysis but Y- STR analysis was only carried out on the seminal fraction.
ETNRGX	Item # 1-2.1: potential allele could not be differentiated from artifact at DYS392 locus (15 allele). Item # 1-3.1-E: potential allele could not be differentiated from artifact at D2 locus (24 allele, ~66 rfu).
F7744R	Allele 13 dropped out at locus DYS385 for the extract of Item 3e due to low template.
FBLEGV	1. Item 1 and Item 2 were directly amplified using Identifiler Direct. 2. Item 3 and Item 4 were extracted using chelex extraction method. 3. Item 3 and Item 4 were quantified using ABI Quantifiler Human and running using RT-PCR 7500 SDS System software. 4. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus kit and perform electrophoresis using Genetic Analyzer 3130XL. 4. Item 1 to Item 4 were amplified using Y-Filer kit. 5. Reagent blank, positive control and negative control were carried out along

TABLE 5

WebCode	Additional Comments
	with the analysis.
GK3KTQ	1) DNA analysis for the blood and semen stain obtained from the victims underwear (tan material (item 3)) was a mixture of two person: a) DNA profile obtained from seminal fraction was for unknown person. b) DNA profile obtained from epithelial fraction was a mixture of the victim (item 1) and the same unknown person present in the seminal fraction. Where the mix ratio was 1:1, so no major neither minor can be indicated. 2) DNA analysis for the blood stain obtained from the victims shirt (ivory material (item 4)) matched the victim's blood profile (item 1).
GLEBXN	In item 3 the result of the epithelial fraction is the result of total DNA extraction.
GQ8HFW	Potential alleles could not be differentiated from artifacts in the Y-STR profile obtained from Item 2: Known blood standard of male suspect. Peaks located at DYS392 in bins 15 and 17.
K6KN6T	Item 2: At DYS392, a peak in allele position 15 could not be differentiated from artifact.
K9XW3Q	[] indicated a minor allele detected.
KGBK3K	In Item 3 in epietelial[sic] cell fraction minor component containing sperm cell profile was obserweb[sic] but not reported.
KQXLJU	1. Item 1 and Item 2 were extracted using in-situ method and amplified using Identifiler Direct in the 9700 thermal cycler. 2. Item 3 and Item 4 were extracted using Chelex Ectractio[n] [sic]. Then it was quantified using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. Amplification was done using AmpFISTR Identifiler Plus Kit. 3. Item 1, Item 2, Item 3 and Item 4 were amplified using YFiler Kit in the 9700 Thermal Cyler [sic]. 4. Electrophoresis process were carried out by Genetic Analyzer 3130xl for Item 1 to Item 4. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
M7Z3HR	1) Item 1 and Item 2 were amplified using AmFiSTR [sic] Identifiler Direct Kit. 2) Item 3 and Item 4 was extracted using the Chelex method and quantification was carried out using the Quantifiler Human DNA Quantification Kit. 3) Item 3 and Item 4 were amplified using the AmFiSTR [sic] Identifiler Plus Kit. 4) Y-STR analysis was carried out on Item 2 and Item 3 using the AmFiSTR [sic] YFiler Kit. 5) Electrophoresis process were carried out by Genetic Analyzer 3130xl for Item 1, Item 2, Item 3 and Item 4. 6) Reagent Blank, Positive and Negative Control were also incorporated throughout the analysis.
NAYVWM	Y-STR analysis was not performed on Item 1 and Item 4; Item 1 is a female reference sample and no male DNA was detected on Item 4 during quantitation.
PAG2UD	Y-strs are not performed on female reference standards. NR = no results.
QVC3JL	Yfiler not performed on items 1 and 4 because these items have no male quant value
QZ8WGM	Item 2: Y-STR Profile: at location DYS392, allele designations (15) and (17) could not be differentiated from artifacts. Victim (Item #1) is included in the mixture DNA in the epithelial fraction of Item #3.
U49CCE	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3) DNA Quantification was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time PCR 7500 System. 4) Amplification of STR (Short Tandem Repeats) genetic loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR genetic loci was carried out using the AmpFISTR YFiler PCR Amplification kit. 6) Capillary Electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzer with GeneMapper ID Software. 7) Reagent Blank, positive control and negative control were carried out throughout the analysis.
UWGWRG	Minifiler results are concordant with Identifiler results
V3WY8H	Abbreviations: NR = No Results. Locus DYS391 results, as reported in the "Additional DNA" section, originates from the PowerPlex Fusion kit.

TABLE 5

WebCode	Additional Comments
XGMYU3	NR = No result. Item #1 (victim) could not be excluded from the major DNA profile obtained from the epithelial fraction of item #3 (underwear); however, item #1 (victim) is excluded from the sperm fraction of item #3 (underwear).
YCR4UF	Minifiler profiles are consistent with Identifiler profiles.
YXC7PE	DNA interpretations of Y-STR results not reported; sample analyzed for database purposes only.

Appendix: Data Sheet

Collaborative Testing Services - Forensic Testing Program

Test No. 15-586: DNA-Mixture

DATA MUST BE RECEIVED BY December 28, 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 rape and murder of a female victim found in her home. Her husband called police after noticing a man run from the house when arriving home from work. A suspect fitting the description was apprehended that same day. Cuttings from the victim's underwear (Item 3) and shirt (Item 4) were screened with the following results: Item 3 (victim's underwear) is positive for a mixture of blood and semen and Item 4 (victim's shirt) is positive for blood only. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples of the victim and the suspect.

Items Submitted (Sample Pack S6):

Item 1: Known blood from the female victim.

Item 2: Known blood from the male suspect.

Item 3: Questioned blood and semen mixture from the victim's underwear. (tan material)

Item 4: Questioned blood stain from the victim's shirt. (ivory material)

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	e	10,11	15,16	8	12,13	7	8
	sp	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.

Page 2 of 8

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

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

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

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

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

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

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

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

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

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

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

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

Please return all pages of this data sheet.

Page 3 of 8

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.).

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

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

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

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

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

YSTR Amplification Kit(s) Used For Item 3: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

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

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

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

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

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Page 5 of 8

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

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

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

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
4	<input type="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.).

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

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

Page 6 of 8

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	
	No	<input type="checkbox"/>	<input type="checkbox"/>		No
Inconclusive		<input type="checkbox"/>	<input type="checkbox"/>	Inconclusive	

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 December 28, 2015 to be included in the report. Emailed data sheets are not accepted.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p>	<p style="text-align: right;">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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Page 7 of 8

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **15-586: DNA-Mixture**

This release page must be completed and received by **December 28, 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) _____

Return Instructions

Accreditation Release

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

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

Please return all pages of this data sheet.

Page 8 of 8