



## **DNA-Semen Test No. 15-582 Summary Report**

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This proficiency test was sent to 221 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 179 participants (81% response rate) and are compiled into the following tables:

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

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

## **Manufacturer's Information**

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains one on clean, beige and green patterned material (Item 3) and one on clean, dark blue 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  $-196^{\circ}\text{C}$  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 ( $75\ \mu\text{l}$ ) was prepared using blood collected from a female donor and Items 2 ( $75\ \mu\text{l}$ ) and 4 ( $50\ \mu\text{l}$ ) were prepared using blood collected from a single male donor. Item 3 ( $50\ \mu\text{l}$ ) 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  $-20^{\circ}\text{C}$  until shipment on March 3, 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.

<b>Item</b>	<b>D1S1656 D8S1179 D19S433 Penta D</b>	<b>D2S1338 D10S1248 D21S11 Penta E</b>	<b>D2S441 D12S391 D22S1045 SE33</b>	<b>D3S1358 D13S317 Amelogenin TH01</b>	<b>D5S818 D16S539 CSF1PO TPOX</b>	<b>D7S820 D18S51 FGA vWA</b>
1	16,3,17.3 14,15 14,15 9,11	16,19 14,16 30.2,31.2 11,15	11,12 17,19.3 16,16 14,25.2	16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
2	11,11 12,12 10,12 2.2,12	17,18 15,16 28,30.2 12,17	11,11 21,22 12,16 14,19	15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
3-Blood	16,3,17.3 14,15 14,15 9,11	16,19 14,16 30.2,31.2 11,15	11,12 17,19.3 16,16 14,25.2	16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
3-Semen	14,18.3 12,13 12,15 9,12	16,25 14,16 28,30 12,18	10,14 15,23 15,16 23.2,28.2	15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
4	11,11 12,12 10,12 2.2,12	17,18 15,16 28,30.2 12,17	11,11 21,22 12,16 14,19	15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16

### YSTR Results

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

<b>Item</b>	<b>DYS19 DYS437 DYS549</b>	<b>DYS385 DYS438 DYS570</b>	<b>DYS389-I DYS439 DYS576</b>	<b>DYS389-II DYS448 DYS635</b>	<b>DYS390 DYS456 DYS643</b>	<b>DYS391 DYS458 Y GATA H4</b>	<b>DYS392 DYS481 Y Indel</b>	<b>DYS393 DYS533</b>
2	15 14 12	15,16 11 18	12 12 15	29 20 21	21 15 14	10 17 12	11 23 *	14 13
3-Semen	14 14 15	11,14 12 16	13 12 18	29 19 23	23 16 10	11 17 12	13 23 *	13 12
4	15 14 12	15,16 11 18	12 12 15	29 20 21	21 15 14	10 17 12	11 23 *	14 13

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

## **Summary Comments**

The DNA-Semen test is part of the DNA Sample Specific Series; where participants are advised of the body fluid(s) that make up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains where screening has already been completed. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was blood collected from a female donor and Items 2 and 4 were blood collected from a single male donor. Item 3 was a mixture containing the blood from the Item 1 female donor and semen from a donor whose known blood standard was not provided to participants. (See Manufacturer's Information for preparation details)

Of the 179 responding, 155 participants reported DNA interpretations. There were 154 participants that included the victim (Item 1) as a possible contributor to the Item 3 mixture and one that excluded the victim (Item 1). There were 154 participants that excluded the victim (Item 1) as a possible contributor to the Item 4 stain and one that was inconclusive. All 155 participants excluded the suspect (Item 2) as a possible contributor to the Item 3 mixture and included the suspect (Item 2) as a possible contributor to the Item 4 stain.

Thirteen participants reported allelic results that differed from the consensus/predistribution results. Of these, nine reported additional alleles at one or more loci. The remaining four participants reported inconsistent alleles at one or more loci.

**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
<b>Item 1 - STR Results</b>							
29UTBM	Identifiler®						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
2AMYCY	Identifiler® Plus						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
2PVUNL	Identifiler® Plus						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
2ZHTHX	PowerPlex® 16HS						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
2ZJLG6	Identifiler®						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
3DWG6Z	Identifiler®, Identifiler Plus						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
3EWJU6	Identifiler® Direct						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7	9,11	16,17
3FTR8V	Identifiler® Plus						
	1	NA	16,19	NA	16,18	10,11	9,10
		14,15	NA	NA	8,10	11,13	13,19
		14,15	30.2,31.2	NA	X,X	11,12	19,23
		NA	NA	NA	7,7	9,11	16,17

TABLE 1

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

3HBWXD	Globalfiler						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
				14,25.2	7	9,11	16,17
3KGGMY	PowerPlex® 16HS						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
3L8PM2	Identifiler®						
	1	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X	11,12	19,23
		-	-	-	7	9,11	16,17
3TEAT8	Identifiler® Direct, PowerPlex® ESX17						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
				14,25.2	7,7	9,11	16,17
43DBM3	PowerPlex® 16						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
44AMPX	Identifiler® Plus						
	1	NA	16,19	NA	16,18	10,11	9,10
		14,15	NA	NA	8,10	11,13	13,19
		14,15	30.2,31.2	NA	X,X	11,12	19,23
		NA	NA	NA	7,7	9,11	16,17
4EAAGU	Identifiler® Plus						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
4GTAR4	PowerPlex® 16						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
4L9W9U	Identifiler® Plus						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
4T7R7T	<i>Identifiler® Plus</i>						
	1	14,15	16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
4U6PP2	<i>PowerPlex® 21</i>						
	1	16.3,17.3	16,19		16,18	10,11	9,10
		14,15		17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
4VU6QW	<i>COfiler® and Profiler Plus®</i>						
	1				16,18	10,11	9,10
		14,15			8,10		13,19
			30.2,31.2		X,X		19,23
							16,17
4WPQH2	<i>Identifiler® ID and ID Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
4ZN66R	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
63UXMW	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
69FV9Y	<i>Identifiler® and Identifiler Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
6CZMK2	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
6MXMTY	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
6UL4UP	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
6YE7W4	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
74X2MX	<i>Identifiler®</i>						
	1	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X,X	11,12	19,23
		-	-	-	7,7	9,11	16,17
782JBU	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
7FT4AZ	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7	9,11	16,17
7QBUQX	<i>Identifiler® Plus, PowerPlex® 16</i>						
	1	N/A	16,19	N/A	16,18	10,11	9,10
		14,15	N/A	N/A	8,10	11,13	13,19
		14,15	30.2,31.2	N/A	X,X	11,12	19,23
		9,11	11,15	N/A	7,7	9,11	16,17
7QCKZL	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
7RAT97	<i>Identifiler® Plus</i>						
	1	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X,X	11,12	19,23
		-	-	-	7,7	9,11	16,17
82UEXZ	<i>Identifiler® Identifiler Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
8K2NWC	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7	9,11	16,17
8K2T6T	<i>COfiler® and Profiler Plus®</i>						
	1				16,18	10,11	9,10
		14,15			8,10		13,19
			30.2,31.2		X,X		19,23
							16,17
8K4JFH	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
8TZ8FV	<i>Globalfiler</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
				14,25.2	7,7	9,11	16,17
92NKRZ	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
9DDNRJ	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
A3XV3A	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
A3XW6V	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
A62RNX	<i>Identifiler® Direct</i>						
	1	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X,X	11,12	19,23
		-	-	-	7	9,11	16,17

TABLE 1

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

ABAAK6	<i>GlobalFiler</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
			14,25.2	7	9,11	16,17	
AKJANT	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	
APCJPE	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	
B2WHTL	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
B7VUTT	<i>Identifiler® , Identifiler Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
B8R6VM	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
BCF28Q	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	
BJG3WK	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
BJG6LP	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	

TABLE 1

<b>WebCode</b>	<b>Item</b>	<b>D1S1656</b> <b>D8S1179</b> <b>D19S433</b> <b>Penta D</b>	<b>D2S1338</b> <b>D10S1248</b> <b>D21S11</b> <b>Penta E</b>	<b>D2S441</b> <b>D12S391</b> <b>D22S1045</b> <b>SE33</b>	<b>D3S1358</b> <b>D13S317</b> <b>Amelogenin</b> <b>TH01</b>	<b>D5S818</b> <b>D16S539</b> <b>CSF1PO</b> <b>TPOX</b>	<b>D7S820</b> <b>D18S51</b> <b>FGA</b> <b>vWA</b>
<b>Item 1 - STR Results</b>							
BR8WMN	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
BRCCX4	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
C6HHUN	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
C77VD7	<i>PowerPlex® 16</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
C78TN2	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
C9GVFR	<i>PowerPlex® 21</i>						
	1	16.3,17.3	16,19		16,18	10,11	9,10
		14,15		17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
CFELYG	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7,11	9,11	16,17
CG44NV	<i>PowerPlex® 16, 16HS</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
CH4RGT	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

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

CLGLAJ	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
CMWYW	<i>Identifiler® Direct</i>						
	1	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X,X	11,12	19,23
		-	-	-	7	9,11	16,17
CXWEN	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
CYNPED	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	
D4F8CP	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	
D74NLX	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
DTENVV	<i>PowerPlex® 21</i>						
	1	16.3,17.3	16,19	-	16,18	10,11	9,10
		14,15	-	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	-	X,X	11,12	19,23
		9,11	11,15	-	7,7	9,11	16,17
DYMAJT	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
E8CFVQ	<i>GlobalFiler</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
				14,25.2	7,7	9,11	16,17

TABLE 1

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

E8V4DK	<i>Identifiler®</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2	X,X	11,12	19,23	
					7,7	9,11	16,17	
EBFTXX	<i>PowerPlex® ESI 16 FAST</i>	1	16.3,17.3	16,19	11,12	16,18		
			14,15	14,16	17,19.3		11,13	13,19
			14,15	30.2,31.2	16,16	X,X		19,23
						7,7		16,17
EFLLRU	<i>Identifiler®</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2	X	11,12	19,23	
					7	9,11	16,17	
EGHXTN	<i>Identifiler® Plus</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2	X	11,12	19,23	
					7	9,11	16,17	
F7CQ2T	<i>Identifiler® &amp; Identifiler Plus</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2	X,X	11,12	19,23	
					7,7	9,11	16,17	
FQ4QCX	<i>PowerPlex® Fusion</i>	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
			14,15	14,16	17,19.3	8,10	11,13	13,19
			14,15	30.2,31.2	16	X	11,12	19,23
			9,11	11,15		7	9,11	16,17
FQ6JCR	<i>Identifiler®</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2	X,X	11,12	19,23	
					7,7	9,11	16,17	
G2XGEG	<i>Identifiler®</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2	X,X	11,12	19,23	
					7,7	9,11	16,17	
GB62VR	<i>GoldenEye 20A</i>	1	16,19		16,18	10,11	9,10	
			14,15		17,19.3	8,10	11,13	13,19
			14,15	30.2,31.2	X	11,12	19,23	
			9,11	11,15	7	9,11	16,17	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
GDUA6T	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
GMFHJN	<i>Identifiler®, IdentifilerPlus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
GRU74L	<i>PowerPlex® 16HS</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
GVGNR	<i>Identifiler®</i>						
	1	not tested	16,19	not tested	16,18	10,11	9,10
		14,15	not tested	not tested	8,10	11,13	13,19
		14,15	30.2,31.2	not tested	X,X	11,12	19,23
		not tested	not tested	not tested	7,7	9,11	16,17
GZ4FRE	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
GZKRAJ	<i>Identifiler®, Identifiler Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
H8JJBL	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
HB3VUN	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
HN8X9Q	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

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

HT2QME	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
HUWCEK	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
JKKMZD	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
JN6EBF	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
JUU2ZT	<i>PowerPlex® 16HS, NGM SELECT</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15	14,25.2	7	9,11	16,17
JV47DH	<i>Identifiler® ID and ID Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
JWE4PE	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
K69FEF	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
KBTJLH	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

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

KEX2NK	<i>PowerPlex® Fusion</i>							
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10	
		14,15	14,16	17,19.3	8,10	11,13	13,19	
		14,15	30.2,31.2	16	X	11,12	19,23	
		9,11	11,15		7	9,11	16,17	
KGXE6H	<i>Identifiler® Plus</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X,X	11,12	19,23	
				7,7	9,11	16,17		
KNLZEP	<i>Identifiler® Plus</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X,X	11,12	19,23	
				7,7	9,11	16,17		
KQM337	<i>Identifiler® Direct</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X	11,12	19,23	
				7	9,11	16,17		
KZUX6B	<i>Identifiler® Plus, Minifiler</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X,X	11,12	19,23	
				7,7	9,11	16,17		
L23C7P	<i>Identifiler® Direct, PowerPlex® ESX17</i>							
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10	
		14,15	14,16	17,19.3	8,10	11,13	13,19	
		14,15	30.2,31.2	16,16	X,X	11,12	19,23	
			14,25.2	7,7	9,11	16,17		
L3CGGT	<i>Identifiler®</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X	11,12	19,23	
				7	9,11	16,17		
LBTXBN	<i>Identifiler® Plus</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X,X	11,12	19,23	
				7,7	9,11	16,17		
LQKU9C	<i>Identifiler® Plus</i>							
	1		16,19		16,18	10,11	9,10	
		14,15			8,10	11,13	13,19	
		14,15	30.2,31.2		X,X	11,12	19,23	
				7,7	9,11	16,17		



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
LRFFZH	<i>Identifiler® Plus, MiniFiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
LTNLHD	<i>Identifiler®, Identifiler Plus, MiniFiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
LYUCQB	<i>Identifiler® Plus</i>						
	1	NA	16,19	NA	16,18	10,11	9,10
		14,15	NA	NA	8,10	11,13	13,19
		14,15	30.2,31.2	NA	X,X	11,12	19,23
		NA	NA	NA	7,7	9,11	16,17
LYYJA7	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
M9LV6J	<i>GlobalFiler</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
				14,15.2	7,7	9,11	16,17
MGQ8VL	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7	9,11	16,17
MWW3C3	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
MW6D4Z	<i>Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
MXX2PF	<i>Identifiler®, Identifiler Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

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

MZ2YV3	<i>Identifiler® Direct</i>	1	16,19		16,18	10,11	9,10	
			14,15		8,10	11,13	13,19	
			14,15	30.2,31.2		X	11,12	19,23
						7	9,11	16,17
NG9FJF	<i>PowerPlex® Fusion</i>	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
			14,15	14,16	17,19.3	8,10	11,13	13,19
			14,15	30.2,31.2	16	X	11,12	19,23
			9,11	11,15		7	9,11	16,17
NRPZ4C	<i>Identifiler® and Identifiler Plus</i>	1		16,19		16,18	10,11	9,10
			14,15			8,10	11,13	13,19
			14,15	30.2,31.2		X,X	11,12	19,23
						7,7	9,11	16,17
P76DZ4	<i>Identifiler®</i>	1		16,19		16,18	10,11	9,10
			14,15			8,10	11,13	13,19
			14,15	30.2,31.2		X	11,12	19,23
						7	9,11	16,17
P8FLKN	<i>PowerPlex® Fusion</i>	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
			14,15	14,16	17,19.3	8,10	11,13	13,19
			14,15	30.2,31.2	16	X	11,12	19,23
			9,11	11,15		7	9,11	16,17
PDZKBW	<i>PowerPlex® Fusion</i>	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
			14,15	14,16	17,19.3	8,10	11,13	13,19
			14,15	30.2,31.2	16	X	11,12	19,23
			9,11	11,15		7	9,11	16,17
PEV8R8	<i>Identifiler® Plus</i>	1		16,19		16,18	10,11	9,10
			14,15			8,10	11,13	13,19
			14,15	30.2,31.2		X,X	11,12	19,23
						7,7	9,11	16,17
PHW9WB	<i>DNA 17 NGM Select</i>	1	16.3,17.3	16,19	11,12	16,18		
			14,15	14,16	17,19.3		11,13	13,19
			14,15	30.2,31.2	16,16	X,X		19,23
					14,25.2	7,7		16,17
PJTKX6	<i>Identifiler® Plus</i>	1		16,19		16,18	10,11	9,10
			14,15			8,10	11,13	13,19
			14,15	30.2,31.2		X	11,12	19,23
						7	9,11	16,17

TABLE 1

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

PY7ZUA	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
<hr/>							
QCPVU7	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
<hr/>							
QJ7FUW	<i>COfiler® and Profiler Plus®</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
<hr/>							
RC4VYE	<i>PowerPlex® 16</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
<hr/>							
RH9UA6	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
<hr/>							
RP94PA	<i>PowerPlex® 16, 16HS</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
<hr/>							
TDBPZX	<i>Identifiler® direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
<hr/>							
TE4KGE	<i>PowerPlex® 16HS</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
<hr/>							
TFZWH9	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
<hr/>							
				7	9,11	16,17	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
TMWVQA	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
TZLJC9	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
U2TDG8	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
U6CDNZ	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
U7NVE3	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
U8X7EA	<i>Identifiler® Plus, MiniFiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
U8ZUVM	<i>PowerPlex® 16</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
UDAYP9	<i>Identifiler® Direct</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
UDTUGB	<i>GlobalFiler</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
				14,25.2	7,7	9,11	16,17

TABLE 1

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

UG6YRB	<i>GlobalFiler</i>						
	1	16.3,17.3 14,15 14,15	16,19 14,16 30.2,31.2	11,12 17,19.3 16,16 14,25.2	16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
UGNPXN	<i>Identifiler® Plus</i>						
	1	14,15 14,15	16,19 30.2,31.2		16,18 8,10 X 7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
UYAD6X	<i>Identifiler® Direct</i>						
	1	14,15 14,15	16,19 30.2,31.2		16,18 8,10 X 7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
V8WQG3	<i>Identifiler® Plus</i>						
	1	14,15 14,15	16,19 30.2,31.2		16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
VBFNCK	<i>PowerPlex® 16</i>						
	1	14,15 9,11	30.2,31.2 11,15		16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
VLW9VG	<i>Identifiler® plus, PowerPlex® HS, ESX, FUSION</i>						
	1	16.3,17.3 14,15 14,15 9,11	16,19 14,16 30.2,31.2 11,15	11,12 17,19.3 16 14,25.2	16,18 8,10 X 7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
VMAVCB	<i>GlobalFiler</i>						
	1	16.3,17.3 14,15 14,15	16,19 14,16 30.2,31.2	11,12 17,19.3 16,16 14,25.2	16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
VTVXBZ	<i>Identifiler® Plus, MiniFiler</i>						
	1	14,15 14,15	16,19 30.2,31.2		16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17
VU8UF6	<i>Identifiler® Plus</i>						
	1	14,15 14,15	16,19 30.2,31.2		16,18 8,10 X,X 7,7	10,11 11,13 11,12 9,11	9,10 13,19 19,23 16,17

TABLE 1

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

VX9XAD	<i>Identifiler® Direct</i>						
	1	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X,X	11,12	19,23
		-	-	-	7	9,11	16,17
VY69B8	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
VZUK3Z	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
W3J4R6	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
WA2NL4	<i>COfiler® and Profiler Plus® Profiler Plus</i>						
	1				16,18	10,11	9,10
		14,15			8,10		13,19
			30.2,31.2		X,X		19,23
							16,17
WF3V8Y	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
WLEWC3	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
XAXBME	<i>PowerPlex® 16 HS,ESI 17,FUSION</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15	14,25.2	7	9,11	16,17
XHU62Z	<i>Identifiler® Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17

TABLE 1

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

XLRRBF	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
XPPBBT	<i>Identifiler® direct &amp; identifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
				7	9,11	16,17	
XVZ8F3	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
Y8PJ87	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
Y939C4	<i>Globalfiler</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
			14,15.2	7,7	9,11	16,17	
YFJQQC	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
YJFDJZ	<i>Identifiler® , Identifiler Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	
YJFF8J	<i>PowerPlex® 16</i>						
	1				16,18	10,11	9,10
		14,15			8,10	11,13	13,19
			30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
YKCNJA	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
				7,7	9,11	16,17	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1 - STR Results</b>							
YPNKZ4	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
Z4GQQD	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16,16	X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
Z7QV42	<i>Identifiler® , PowerPlex® 16HS</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
		9,11	11,15		7,7	9,11	16,17
ZD97DV	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
ZFDWKB	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
ZL44BW	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7,7	9,11	16,17
ZRQR73	<i>Identifiler® Plus</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
ZUWG46	<i>PowerPlex® Fusion</i>						
	1	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
		9,11	11,15		7	9,11	16,17
ZY7LV4	<i>Identifiler®</i>						
	1		16,19		16,18	10,11	9,10
		14,15			8,10	11,13	13,19
		14,15	30.2,31.2		X,X	11,12	19,23
					7	9,11	16,17



TABLE 1

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

29UTBM	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
2AMYCY	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
2PVUNL	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
2ZHTHX	<i>PowerPlex® 16HS</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2,2,12	12,17		8,8	6,11	14,16	
2ZJLG6	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
3DWG6Z	<i>Identifiler® , Identifiler Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
3EWJU6	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
3FTR8V	<i>Identifiler® Plus</i>						
	2	NA	17,18	NA	15,17	12,13	8,11
		12,12	NA	NA	11,12	9,11	14,18
		10,12	28,30.2	NA	X,Y	11,12	22,24
		NA	NA	NA	8,8	6,11	14,16
3HBWXD	<i>Globalfiler</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
				14,19	8	6,11	14,16

TABLE 1

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

3KGGMY	<i>PowerPlex® 16HS</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
3L8PM2	<i>Identifiler®</i>						
	2	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
	-	-	-	8	6,11	14,16	
3TEAT8	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
43DBM3	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
44AMPX	<i>Identifiler® Plus</i>						
	2	NA	17,18	NA	15,17	12,13	8,11
		12,12	NA	NA	11,12	9,11	14,18
		10,12	28,30.2	NA	X,Y	11,12	22,24
	NA	NA	NA	8,8	6,11	14,16	
4EAAGU	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
4GTAR4	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
4L9W9U	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
4T7R7T	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2 - STR Results</b>							
4U6PP2	PowerPlex® 21						
	2	11,11 12,12 10,12 2,2,12	17,18  28,30.2 12,17		15,17  21,22 11,12 X,Y 8,8	12,13  9,11 11,12 6,11	8,11 14,18 22,24 14,16
4VU6QW	COfiler® and Profiler Plus®						
	2	12,12	28,30.2		15,17 11,12 X,Y	12,13	8,11 14,18 22,24 14,16
4WPQH2	Identifiler® ID and ID Plus						
	2	12,12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
4ZN66R	Identifiler®						
	2	12,12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
63UXMW	Identifiler® Plus						
	2	12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
69FV9Y	Identifiler® and Identifiler Plus						
	2	12,12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
6CZMK2	PowerPlex® Fusion						
	2	11 12 10,12 2,2,12	17,18 15,16 28,30.2 12,17	11 21,22 12,16	15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
6MXMTY	Identifiler® Plus						
	2	12,12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
6UL4UP	Identifiler® Plus						
	2	12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16

TABLE 1

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

6YE7W4	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
74X2MX	<i>Identifiler®</i>						
	2	-	17,18	-	15,17	12,13	8,11
		12,12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
		-	-	-	8,8	6,11	14,16
782JBU	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
7FT4AZ	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
7QBUQX	<i>Identifiler® Plus, PowerPlex® 16</i>						
	2	N/A	17,18	N/A	15,17	12,13	8,11
		12,12	N/A	N/A	11,12	9,11	14,18
		10,12	28,30.2	N/A	X,Y	11,12	22,24
	2,2,12	12,17	N/A	8,8	6,11	14,16	
7QCKZL	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
7RAT97	<i>Identifiler® Plus</i>						
	2	-	17,18	-	15,17	12,13	8,11
		12,12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
		-	-	-	8,8	6,11	14,16
82UEXZ	<i>Identifiler® Identifiler Direct</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
8K2NWC	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	

TABLE 1

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

8K2T6T	COfiler® and Profiler Plus®						
	2	12,12	28,30.2		15,17 11,12 X,Y	12,13	8,11 14,18 22,24 14,16
8K4JFH	Identifiler® Direct						
	2	12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
8TZ8FV	Globalfiler						
	2	11,11 12,12 10,12	17,18 15,16 28,30.2	11,11 21,22 12,16 14,19	15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
92NKRZ	Identifiler® Direct						
	2	12,12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
9DDNRJ	Identifiler® Plus						
	2	12,12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8,8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
A3XV3A	Identifiler® Plus						
	2	12 10,12	17,18 28,30.2		15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
A3XW6V	PowerPlex® Fusion						
	2	11 12 10,12 2.2,12	17,18 15,16 28,30.2 12,17	11 21,22 12,16	15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
A62RNX	Identifiler® Direct						
	2	- 12 10,12 -	17,18 - 28,30.2 -	- - - -	15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16
ABAAK6	GlobalFiler						
	2	11 12 10,12	17,18 15,16 28,30.2	11 21,22 12,16 14,19	15,17 11,12 X,Y 8	12,13 9,11 11,12 6,11	8,11 14,18 22,24 14,16

TABLE 1

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

AKJANT	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
APCJPE	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
B2WHTL	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
B7VUTT	<i>Identifiler® , Identifiler Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
B8R6VM	<i>Identifiler® Plus, minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
BCF28Q	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
BJG3WK	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
BJG6LP	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
BR8WMN	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2 - STR Results</b>							
BRCCX4	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
C6HHUN	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
C77VD7	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
C78TN2	<i>PowerPlex® Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
C9GVFR	<i>PowerPlex® 21</i>						
	2	11,11	17,18		15,17	12,13	8,11
		12,12		21,22	11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
CFELYG	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
CG44NV	<i>PowerPlex® 16, 16HS</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
CH4RGT	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
CLGLAJ	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16

TABLE 1

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

CMWYV	<i>Identifiler® Direct</i>							
	2	-	17,18	-	15,17	12,13	8,11	
		12	-	-	11,12	9,11	14,18	
		10,12	28,30.2	-	X,Y	11,12	22,24	
		-	-	-	8	6,11	14,16	
CXWEN	<i>Identifiler® Plus</i>							
	2		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	
CYNPED	<i>Identifiler®</i>							
	2		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	
D4F8CP	<i>Identifiler® Plus</i>							
	2		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	
D74NLX	<i>PowerPlex® Fusion</i>							
	2	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
DTENVV	<i>PowerPlex® 21</i>							
	2	11,11	17,18	-	15,17	12,13	8,11	
		12,12	-	21,22	11,12	9,11	14,18	
		10,12	28,30.2	-	X,Y	11,12	22,24	
		2,2,12	12,17	-	8,8	6,11	14,16	
DYMAJT	<i>PowerPlex® Fusion</i>							
	2	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
E8CFVQ	<i>GlobalFiler</i>							
	2	11,11	17,18	11,11	15,17	12,13	8,11	
		12,12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
				14,19	8,8	6,11	14,16	
E8V4DK	<i>Identifiler®</i>							
	2		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	



TABLE 1

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

EBFTXX	<i>PowerPlex® ESI 16 FAST</i>						
	2	11,11	17,18	11,11	15,17		
		12,12	15,16	21,22		9,11	14,18
		10,12	28,30.2	12,16	X,Y		22,24
					8,8		14,16
EFLLRU	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
EGHXTN	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
F7CQ2T	<i>Identifiler® &amp; Identifiler Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
FQ4QCX	<i>PowerPlex® Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2,2,12	12,17		8	6,11	14,16
FQ6JCR	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
G2XGEG	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
GB62VR	<i>GoldenEye 20A</i>						
	2		17,18		15,17	12,13	8,11
		12		21,22	11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
		2,2,12	12,17		8	6,11	14,16
GDUA6T	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16

TABLE 1

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

GMFHJN	<i>Identifiler® , Identifiler Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
GRU74L	<i>PowerPlex® 16HS</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
GVGNRR	<i>Identifiler®</i>						
	2	not tested	17,18	not tested	15,17	12,13	8,11
		12,12	not tested	not tested	11,12	9,11	14,18
		10,12	28,30.2	not tested	X,Y	11,12	22,24
		not tested	not tested	not tested	8,8	6,11	14,16
GZ4FRE	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
GZKRAJ	<i>Identifiler® , Identifiler Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
H8JBL	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
HB3VUN	<i>PowerPlex® Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
HN8X9Q	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
HT2QME	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

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

HUWCEK	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
JKKMZD	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
JN6EBF	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
JUU2ZT	<i>PowerPlex® 16HS, NGMSELECT</i>						
	2	12	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2,2,12	12,17	14,19	8	6,11	14,16
JV47DH	<i>Identifiler® ID and ID Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
JWE4PE	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
K69FEF	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
KBTJLH	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
KEX2NK	<i>PowerPlex® Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2,2,12	12,17		8	6,11	14,16

TABLE 1

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

KGXE6H	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
KNLZEP	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
KQM337	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
KZUX6B	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
L23C7P	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
L3CGGT	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
LBTXBN	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
LQKU9C	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
LRFFZH	<i>Identifiler® Plus, MiniFiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

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

LTNLHD	<i>Identifiler® , Identifiler Plus, MiniFiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
LYUCQB	<i>Identifiler® Plus</i>						
	2	NA	17,18	NA	15,17	12,13	8,11
		12,12	NA	NA	11,12	9,11	14,18
		10,12	28,30.2	NA	X,Y	11,12	22,24
		NA	NA	NA	8,8	6,11	14,16
LYYJA7	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
M9LV6J	<i>GlobalFiler</i>						
	2	11,11	17,18	11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
MGQ8VL	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
MWW3C3	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
MW6D4Z	<i>Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2.2,12	12,17		8	6,11	14,16	
MXX2PF	<i>Identifiler® , Identifiler Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
MZ2YV3	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	

TABLE 1

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

NG9FJF	<i>PowerPlex® Fusion</i>							
	2	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
NRPZ4C	<i>Identifiler® and Identifiler Plus</i>							
	2		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	
P76DZ4	<i>Identifiler®</i>							
	2		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	
P8FLKN	<i>PowerPlex® Fusion</i>							
	2	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
PDZKBW	<i>PowerPlex® Fusion</i>							
	2	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
PEV8R8	<i>Identifiler® Plus</i>							
	2		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	
PHW9WB	<i>DNA 17 NGM Select</i>							
	2	11,11	17,18	11,11	15,17			
		12,12	15,16	21,22		9,11	14,18	
		10,12	28,30.2	12,16	X,Y		22,24	
				14,19	8,8		14,16	
PJTKX6	<i>Identifiler® Plus</i>							
	2		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	
PY7ZUA	<i>Identifiler® Direct</i>							
	2		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	

TABLE 1

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

QCPVU7	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
QJ7FUW	<i>COfiler® and Profiler Plus®</i>						
	2				15,17	12,13	8,11
		12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
RC4VYE	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
RH9UA6	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
RP94PA	<i>PowerPlex® 16, 16HS</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
TDBPZX	<i>Identifiler® direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
TE4KGE	<i>PowerPlex® 16HS</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
TFZWH9	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
TMWVQA	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	

TABLE 1

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

TZLJC9	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
U2TDG8	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
U6CDNZ	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
U7NYE3	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
U8X7EA	<i>Identifiler® Plus, MiniFiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
U8ZUVM	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		[X],Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
UDAYP9	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
UDTUGB	<i>GlobalFiler</i>						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
UG6YRB	<i>GlobalFiler</i>						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	



TABLE 1

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

UGNPXN	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
UYAD6X	<i>Identifiler® Direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
V8WQG3	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
VBFNCK	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2,2,12	12,17		8,8	6,11	14,16	
VLW9VG	<i>Identifiler® plus, PowerPlex® HS, ESX, FUSION</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2,2,12	12,17	14,19	8	6,11	14,16	
VMAVCB	<i>GlobalFiler</i>						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
VTVBZ	<i>Identifiler® Plus, MiniFiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
VU8UF6	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
VX9XAD	<i>Identifiler® Direct</i>						
	2	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
	-	-	-	8	6,11	14,16	

TABLE 1

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

VY69B8	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
VZUK3Z	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
W3J4R6	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
WA2NL4	<i>COfiler® and Profiler Plus® Profiler Plus</i>						
	2				15,17	12,13	8,11
		12,12			11,12		14,18
			28,30.2		X,Y		22,24
						14,16	
WF3V8Y	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
WLEWC3	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
XAXBME	<i>PowerPlex® 16 HS, ESI 17, FUSION</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17	14,19	8	6,11	14,16
XHU62Z	<i>Identifiler® Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
XLRRBF	<i>PowerPlex® Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16

TABLE 1

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

XPPBBT	<i>Identifiler® &amp; identifiler direct</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
XVZ8F3	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
Y8PJ87	<i>PowerPlex® Fusion</i>						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2.2,12	12,17		8	6,11	14,16	
Y939C4	<i>Globalfiler</i>						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
YFJQQC	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
YJFDJZ	<i>Identifiler® , Identifiler Plus</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
YJFF8J	<i>PowerPlex® 16</i>						
	2				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
YKCNJA	<i>Identifiler®</i>						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
YPNKZ4	<i>Identifiler® Plus</i>						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	

TABLE 1

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

Z4GQQD	PowerPlex® Fusion						
	2	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
Z7QV42	Identifiler®, PowerPlex® 16HS						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
ZD97DV	Identifiler® Plus						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
ZFDWKB	PowerPlex® Fusion						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
ZL44BW	Identifiler® Plus						
	2		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
ZRQR73	Identifiler® Plus						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
ZUWG46	PowerPlex® Fusion						
	2	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
ZY7LV4	Identifiler®						
	2		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16

TABLE 1

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

74X2MX	<i>Identifiler®</i>						
	3	-	16,19,25	-	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	-	-	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	-	X,Y	10,11,12	19,21,22,23
		-	-	-	6,7,8	8,9,11	14,16,17
8K2T6T	<i>COfiler® and Profiler Plus®</i>						
	3				15,16	11,13	11,12
		12,13			11,14		13,15
			28,30		X,Y		21,22
							14,16
GB62VR	<i>GoldenEye 20A</i>						
	3		16,[19],25		15,16,[18]	[10],11,13	[9],[10],11,12
		12,13,[14],[15]		15,[17],[19.3],23	[8],[10],11,14	[11],12,13	13,15,[19]
		12,[14],15	28,30,[30.2],[31.2]		X,Y	10,[11],12	[19],21,22,[23]
		9,[11],12	[11],12,[15],18		6,[7],8	8,[9],11	14,16,[17]

TABLE 1

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

## Item 3blood - STR Results

4VU6QW	COfiler® and Profiler Plus®						
	3blood				15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14		13,15,19
			28,30,30.2,31.2		X,Y		19,21,22,23
							14,16,17

TABLE 1

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

29UTBM	Identifiler®						
	3e	16,19,[25]			[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[22],23
					[6],7,[8]	[8],9,11	[14],16,17
2AMYCY	Identifiler® Plus						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17
2PVUNL	Identifiler® Plus						
	3e	16,19,[25]			[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
					[6],7,[8]	[8],9,11	[14],16,17
2ZHTHX	PowerPlex® 16HS						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
			28,30.2,31.2		X,Y	10,11,12	19,21,22,23
		9,11,12	11,12,15,18		6,7,8	8,9,11	14,16,17
2ZJLG6	Identifiler®						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17
3DWG6Z	Identifiler® , Identifiler Plus						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17
3EWJU6	Identifiler® Plus						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17
3FTR8V	Identifiler® Plus						
	3e	NA	16,19,[25]	NA	[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15	NA	NA	8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2	NA	X,[Y]	[10],11,12	19,[21],[22],23
		NA	NA	NA	[6],7,[8]	[8],9,11	[14],16,17
3HBWXD	Globalfiler						
	3e	[14],16.3,17.3,[18.3]	16,19,25	[10],11,12,[14]	15,16,18	10,11,[13]	9,10,[11],12
		[12,13],14,15	14,16	[15],17,19.3,[23]	8,10,[11,14]	11,12,13	13,15,19
		12,14,15	[28,30],30.2,31.2	15,16	X,[Y]	10,11,12	19,[21,22],23
				14,[23.2],25.2,[28.2]	[6],7,[8]	8,9,11	14,16,17

TABLE 1

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

3KGGMY	PowerPlex® 16HS						
	3e				15,16,18	10,11,13	9,10,11,12
		14,15			8,10,11,14	11,12,13	13,19
			28,30.2,31.2		X,X	11,12	19,21,22,23
		9,11	11,15		6,7,8	8,9,11	14,16,17
3L8PM2	Identifiler®						
	3e	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X	11,12	19,23
		-	-	-	7	9,11	16,17
3TEAT8	Identifiler® Plus						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],13,14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,X,[Y]	[10],11,12	19,[21],[22],23
				[6],7,7,[8]	[8],9,11	[14],16,17	
43DBM3	PowerPlex® 16						
	3e				15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
			28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
		9,11,12	11,12,15,18		6,7,8	8,9,11	14,16,17
44AMPX	Identifiler® Plus						
	3e	NA	16,19,[25]	NA	[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15	NA	NA	8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2	NA	X,[Y]	[10],11,12	19,[21],[22],23
		NA	NA	NA	[6],7,[8]	[8],9,11	[14],16,17
4EAAGU	Identifiler® Plus						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
4GTAR4	PowerPlex® 16						
	3e				15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
			30.2,31.2		X,Y	10,11,12	19,22,23
		9,11,12	11,15		6,7,8	8,9,11	14,16,17
4L9W9U	Identifiler® Plus						
	3e		16,19,24,25		15,16,17,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
4T7R7T	Identifiler® Plus						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	



TABLE 1

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

4U6PP2	<i>PowerPlex® 21</i>						
	3e	14,16,3,17.3,18.3	16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15		15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
		9,11,12	11,12,15,18		6,7,8	8,9,11	14,16,17
4WPQH2	<i>Identifiler® ID and ID Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
4ZN66R	<i>Identifiler®</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
				[6],7,[8]	[8],9,11	[14],16,17	
63UXMW	<i>Identifiler® Plus</i>						
	3e		16,19,25		[15],16,18	10,11,13	9,10,[11],12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,[Y]	[10],11,12	19,21,[22],23
				[6],7,8	[8],9,11	14,16,17	
69FV9Y	<i>Identifiler® and Identifiler Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
6MXMTY	<i>Identifiler® Plus</i>						
	3e		16,19		15,16,18	10,11	9,10,11
		12,13,14,15			8,10	11,12,13	13,19
		14,15	30.2,31.2		X	10,11,12	19,22,23
				6,7,8	8,9,11	16,17	
6UL4UP	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
782JBU	<i>Identifiler®</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
7FT4AZ	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	

TABLE 1

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

7QCKZL	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
7RAT97	<i>Identifiler® Plus</i>						
	3e	-	16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,12,13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,X,[Y] [6],7,7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
8K2NWC	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
8TZ8FV	<i>Globalfiler</i>						
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11],12
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11],14	11,[12],13	13,[15],19
		[12],14,15	[28,30],30.2,31.2	16,16 14,[23.2],25.2,[28.2]	X,X,[X,Y] [6],7,7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
9DDNRJ	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y] [6],7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
A3XV3A	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11]
		[12],[13],14,15			8,10,[11],14	11,[12],13	13,[15],19
		[12],14,15	[28,30],30.2,31.2		X,[Y] [6],7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
A3XW6V	<i>PowerPlex® Fusion</i>						
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2	16	X,[Y] [6],7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
A62RNX	<i>Identifiler® Plus</i>						
	3e	-	16,19,25	-	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	-	-	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	-	X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
ABAAK6	<i>GlobalFiler</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16 14,23.2,25.2,28.2	X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17

TABLE 1

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

AKJANT	<i>Identifiler® Plus</i>						
	3e	12,13,14,15 12,14,15	16,19,25 28,30,30.2,31.2		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
APCJPE	<i>Identifiler®</i>						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17
B2WHTL	<i>Identifiler® Plus</i>						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17
B7VUTT	<i>Identifiler® , Identifiler Plus</i>						
	3e	12,13,14,15 12,14,15	16,19,25 28,30,30.2,31.2		15,16,18 8,10,11,14 X,X 6,7,8	10,11 11,12,13 11,12 8,9,11	9,10,12 13,15,19 19,21,22,23 16,17
B8R6VM	<i>Identifiler® Plus, Minifiler</i>						
	3e	12,13,14,15 12,14,15	16,19,25 28,30,30.2,31.2		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
BCF28Q	<i>Identifiler®</i>						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17
BJG3WK	<i>Identifiler® Plus</i>						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11 11,[12],13 [10],11,12 [8],9,11	9,10 13,19 19,[21],[22],23 [14],16,17
BJG6LP	<i>Identifiler®</i>						
	3e	[12,13],14,15 [-]14,15	[-]16,19 [-]30.2,31.2		[15,-],16,18 [-]8,10 [-]X [6,-],7	[-]10,11 [-]11,13 [10,-],11,12 [-]9,11	[-]9,10 [-]13,19 [-]19,23 [-]16,17
BR8WMN	<i>Identifiler® Plus</i>						
	3e	[12,13],14,15 [12],14,15	16,19,[25] [28,30],30.2,31.2		[15],16,[18] 8,10,[11,14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11,12] 13,[15],19 19,[21,22],23 [14],16,17

TABLE 1

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

BRCCX4	<i>Identifiler®</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15 [12],14,15		[28],[30],30.2,31.2	8,10,[11],[14] X,[Y] [6],7,[8]	11,[12],13 [10],11,12 [8],9,11	13,[15],19 19,[21],[22],23 [14],16,17
C6HHUN	<i>Identifiler®</i>						
	3e		16,19		[15],16,18	10,11,[13]	9,10,[11]
		[12],[13],14,15 14,15		[30],30.2,31.2	8,10,[11],[14] X [6],7,[8]	11,[12],13 [10],11,12 [8],9,11	13,19 19,[21],[22],23 [14],16,17
C77VD7	<i>PowerPlex® 16</i>						
	3e				[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15 9,11,[12]		[30],30.2,31.2 11,[12],15,[18]	8,10,[11],[14] X,[Y] [6],7,[8]	11,[12],13 [10],11,12 [8],9,11	13,[15],19 19,[21],[22],23 [14],16,17
C78TN2	<i>PowerPlex® Fusion</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	16	X,Y	10,11,12	19,21,22,23
	9,11,12	11,12,15,18		6,7,8	8,9,11	14,16,17	
C9GVFR	<i>PowerPlex® 21</i>						
	3e	14,16.3,17.3,18.3	16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15		15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
	9,11,12	11,12,15,18		6,7,8	8,9,11	14,16,17	
CFELYG	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15 12,14,15			8,10,11,14 X,Y 6,7,8	11,12,13 10,11,12 8,9,11	13,15,19 19,21,22,23 14,16,17
CH4RGT	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15 [12],14,15		[28],[30],30.2,31.2	8,10,[11],[14] X,[Y] [6],7,[8]	11,[12],13 [10],11,12 [8],9,11	13,[15],19 19,[21],[22],23 [14],16,17
CLGLAJ	<i>Identifiler®</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15 [12],14,15		[28],[30],30.2,31.2	8,10,[11],[14] X,[Y] [6],7,[8]	11,[12],13 [10],11,12 [8],9,11	13,[15],19 19,[21],[22],23 [14],16,17
CMWYVW	<i>Identifiler® Plus</i>						
	3e	-	16,19,25	-	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	-	-	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	-	X,Y	10,11,12	19,21,22,23
	-	-	-	6,7,8	8,9,11	14,16,17	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e - STR Results</b>							
CXVWEN	<i>Identifiler® Plus</i>						
	3e		16,19		16,18	10,11	9,10
		[12],[13],14,15			8,10	11,[12],13	13,19
		14,15	30.2,31.2		X	11,12	19,23
					7	9,11	16,17
D4F8CP	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		16,18	10,11,[13]	9,10,[11],[12]
		[12],14,15			8,10,[11],[14]	11,12,13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,Y	11,12	19,[21],22,23
					6,7,[8]	[8],9,11	[14],16,17
D74NLX	<i>PowerPlex® Fusion</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	16	X,Y	10,11,12	19,21,22,23
		9,11	11,15		6,7,8	9,11	14,16,17
DTENVV	<i>Identifiler®</i>						
	3e	-	16,19	-	16,18	10,11	9,10
		14,15	-	-	8,10	11,13	13,19
		14,15	30.2,31.2	-	X	11,12	19,23
		-	-	-	7,7	9,11	16,17
E8CFVQ	<i>GlobalFiler</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16	X,Y	10,11,12	19,21,22,23
				14,23.2,25.2,28.2	6,7,8	8,9,11	14,16,17
E8V4DK	<i>Identifiler®</i>						
	3e		16,19		15,16,18	10,11,13	9,10,11
		12,13,14,15			8,10,11,14	11,13	13,19
		14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					7,8	8,9,11	14,16,17
EBFTXX	<i>PowerPlex® ESI 16 FAST</i>						
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	15,16,18		
		12,13,14,15	14,16	[15],17,19.3,[23]		11,12,13	13,15,19
		[12],14,15	[28],[30],30.2,31.2	15,16	X,[Y]		19,21,22,23
					6,7,8		[14],16,17
EFLLRU	<i>Identifiler®</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		12,13,14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,21,22,23
					[6],7,[8]	[8],9,11	[14],16,17
EGHXTN	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17

TABLE 1

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

FQ4QCX	PowerPlex® Fusion						
	3e	[14],16.3,17.3,[18.3] [12],[13],14,15 [12],14,15 9,11,[12]	16,19,[25] 14,16 [28],[30],30.2,31.2 11,[12],15,[18]	[10],11,12,[14] [15],17,19.3,[23] 16	[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17
FQ6JCR	Identifiler®						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		15,16,18 8,10,11,[14] X,X,[Y] [6],7,7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17
G2XGEG	Identifiler®						
	3e	[12],[13],14,15 [12],14,15	16,19 [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X [6],7,[8]	10,11 11,[12],13 [10],11,12 9,11	9,10 13,[15],19 19,[22],23 [14],16,17
GDU6T	Identifiler® Plus						
	3e	(12),(13),14,15 (12),14,15	16,19,(25) (28),(30),30.2,31.2		(15),16,18 8,10,(11),(14) X,X,(Y) (6),7,7,(8)	10,11,(13) 11,(12),13 (10),11,12 (8),9,11	9,10,(11),(12) 13,(15),19 19,(21),(22),23 (14),16,17
GMFHJN	Identifiler®, Identifiler Plus, Minifiler						
	3e	12,13,14,15 12,14,15	16,19,25 28,30,30.2,31.2		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
GRU74L	PowerPlex® 16HS						
	3e	12,13,14,15 9,11,12	28,30,30.2,31.2 11,12,15,18		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
GVGNNR	Identifiler®						
	3e	not tested [12],[13],14,15 [12],14,15 not tested	16,19 not tested [28],[30],30.2,31.2 not tested	not tested not tested not tested not tested	[15],16,18 8,10,[11],[14] X [6],7,[8]	10,11 11,[12],13 [10],11,12 9,11	9,10,[11] 13,19 19,[22],23 [14],16,17
GZ4FRE	Identifiler® Plus, Minifiler						
	3e	12,13,14,15 12,14,15	16,19 28,30,30.2,31.2		15,16,18 8,10,11,14 X 6,7	10,11 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
GZKRAJ	Identifiler®, Identifiler Plus						
	3e	12,13,14,15 12,14,15	16,19,25 28,30,30.2,31.2		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17

TABLE 1

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

H8JBL	<i>Identifiler® Plus</i>						
	3e		16,19,15		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
HB3VUN	<i>PowerPlex® Fusion</i>						
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2	16	X,[Y]	[10],11,12	19,[21],[22],23
	9,11,[12]	11,[12],15,[18]		[6],7,[8]	[8],9,11	[14],16,17	
HT2QME	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
				[6],7,[8]	[8],9,11	[14],16,17	
HUWCEK	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,13,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
JKKMZD	<i>Identifiler® Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
JUU2ZT	<i>PowerPlex® HS,ESI17, NGMSELECT</i>						
	3e	16.3,17.3	16,19	11,12	16,18	10,11	9,10
		14,15	14,16	17,19.3	8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	19,23
	9,11	11,15	14,25.2	7	9,11	16,17	
JV47DH	<i>Identifiler® ID and ID Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
JWE4PE	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
K69FEF	<i>Identifiler® Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	

TABLE 1

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

KBTJLH	<i>Identifiler® Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
KEX2NK	<i>PowerPlex® Fusion</i>						
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11]
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15 9,11,[12]	[28],[30],30.2,31.2 11,[12],15,[18]	16	X,[Y] [6],7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
KGXE6H	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
KNLZEP	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,X,[Y] [6],7,7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
KZUX6B	<i>Identifiler® Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 9,11	19,21,22,23 14,16,17
L23C7P	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],13,14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,X,[Y] [6],7,7,[8]	[10],11,12 [8],9,11	19,[21],22,23 [14],16,17
L3CGGT	<i>Identifiler®</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
LBTXBN	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[12]
		[12,13],14,15			8,10,[11,14]	11,[12],13	13,[15],19
		[12],14,15	[28,30],30.2,31.2		X,X,[Y] [6],7,7,[8]	[10],11,12 [8],9,11	19,[21,22],23 [14],16,17
LQKU9C	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y] [6],7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17



TABLE 1

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

LRFFZH	<i>Identifiler® Plus, MiniFiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
LTNLHD	<i>Identifiler® , Identifiler Plus, MiniFiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
LYUCQB	<i>Identifiler® Plus</i>						
	3e	NA	16,19,[25]	NA	[15],16,18	10,11,[13]	9,10
		[12],[13],14,15	NA	NA	8,10,[11],[14]	11,[12],13	13,[15],19
		14,15	[28],30.2,31.2	NA	X	[10],11,12	19,[21],[22],23
	NA	NA	NA	7,[8]	[8],9,11	[14],16,17	
M9LV6J	<i>GlobalFiler, SGMPlus</i>						
	3e	14,16.3,17.3,18.3	16,19,23	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16 14,23.2,25.2,28.2	X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
MGQ8VL	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y] [6],7,[8]	[10],11,12 [8],9,11	19,[21],[22],23 [14],16,17
MW6D4Z	<i>COfiler® and Profiler Plus®</i>						
	3e				[15],16,18	10,11,[13]	9,10,*
		[12,13],14,15			8,10,*,[14]	11,[12],13	13,* ,19
			[28],*,30.2,31.2		X,[Y] 6,7,*	*,11,12 *,9,11	19,[21,22],23 *,16,17
MX2PF	<i>Identifiler® , Identifiler Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
NG9FJF	<i>PowerPlex® Fusion</i>						
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2	16	X,[Y]	[10],11,12	19,[21],[22],23
	9,11,[12]	11,[12],15,[18]		[6],7,[8]	[8],9,11	[14],16,17	
NRPZ4C	<i>Identifiler® and Identifiler Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17

TABLE 1

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

P8FLKN	<i>PowerPlex® Fusion</i>							
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11],[12]	
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11]	11,[12],13	13,[15],19	
		[12],14,15	[28],[30],30.2,31.2	16	X,[Y]	[10],11,12	19,[21],[22],23	
		9,11,[12]	11,[12],15,[18]		[6],7,[8]	[8],9,11	[14],16,17	
PDZKBW	<i>COfiler® and Profiler Plus® ID</i>							
	3e				[15],16,18	10,11,[13]	9,10,[11],[12]	
		[12],14,15			8,10,[11]	11,13	13,[15],19	
			[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23	
					7	9,11	[14],16,17	
PEV8R8	<i>Identifiler® Plus</i>							
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]	
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19	
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23	
					[6],7,[8]	[8],9,11	[14],16,17	
PHW9WB	<i>DNA 17 NGM Select</i>							
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12	16,18			
		[12],13,14,15	14,16	[15],17,19.3,[23]		11,13	13,[15],19	
		14,15	[28],30,30.2,31.2	15,16	X,[Y]		19,23	
				14,25.2,[28.2]	7,7		[14],16,17	
PJTKX6	<i>Identifiler® Plus</i>							
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12	
		12,13,14,15			8,10,11,14	11,12,13	13,15,19	
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23	
					6,7,8	8,9,11	14,16,17	
QCPVU7	<i>Identifiler® Plus</i>							
	3e		16,19		15,16,18	10,11,13	9,10	
		12,13,14,15			8,10,11,14	11,12,13	13,19	
		14,15	30,30.2,31.2		X	11,12	19,21,22,23	
					6,7,8	9,11	16,17	
QJ7FUW	<i>PowerPlex® Fusion</i>							
	3e	[14],16.3,17.3,[18.3]	16,19,[25]	[10],11,12,[14]	[15],16,18	10,11,[13]	9,10,[11],[12]	
		[12],[13],14,15	14,16	[15],17,19.3,[23]	8,10,[11],[14]	11,[12],13	13,[15],19	
		[12],14,15	[28],[30],30.2,31.2	[15],16	X,[Y]	[10],11,12	19,[21],[22],23	
		9,11,[12]	11,[12],15		[6],7,[8]	[8],9,11	[14],16,17	
RC4VYE	<i>PowerPlex® 16</i>							
	3e				15,16,18	10,11,13	9,10,11,12	
		13,14,15			8,10,11	11,12,13	13,15,19	
			28,30.2,31.2		X,Y	10,11,12	19,22,23	
		9,11,12	11,12,15,18		6,7	8,9,11	14,16,17	
RH9UA6	<i>Identifiler® Plus</i>							
	3e		16,19		[15],16,18	10,11,[13]	9,10,[11]	
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19	
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23	
					[6],7,[8]	[8],9,11	[14],16,17	

TABLE 1

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

RP94PA	<i>PowerPlex® 16, 16HS</i>						
	3e				15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
			28,30.2,31.2		X,Y	10,11,12	19,21,23
	9,11,12		11,12,15,18		6,7	8,9,11	14,16,17
TE4KGE	<i>PowerPlex® 16HS</i>						
	3e				15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
			28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
	9,11,12		11,12,15,18		6,7,8	8,9,11	14,16,17
TFZWH9	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
		[12],14,15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
				[6],7,[8]	[8],9,11	[14],16,17	
TMWVQA	<i>Identifiler®</i>						
	3e		16,19		[15],16,18	10,11	9,10
		[13],14,15			8,10,[11],[14]	11,[12],13	13,19
		14,15	30.2,31.2		X	11,12	19,[22],23
				[6],7,[8]	9,11	16,17	
TZLJC9	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
U2TDG8	<i>Identifiler®</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],12
		[12,13],14,15			8,10,[11],14	11,[12],13	13,[15],19
		[12],14,15	[28,30],30.2,31.2		X,[Y]	[10],11,12	19,[21,22],23
				[6],7,[8]	[8],9,11	[14],16,17	
U7NYE3	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
U8X7EA	<i>Identifiler® Plus, MiniFiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
U8ZUVM	<i>PowerPlex® 16</i>						
	3e				[15],16,[18]	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],[19]
			[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
	9,11,[12]	11,[12],15,[18]		[6],7,[8]	[8],9,11	[14],16,17	

TABLE 1

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

UDAYP9	<i>Identifiler® Plus</i>						
	3e	16,19,[25]			15,16,[18]	10,11,[13]	9,10,[11]
		[12],[13],14,15			8,10,[11],[14]	[11],[12],13	13,[15],[19]
		[12],[14],15	[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,21,22,23
					[6],7,[8]	[8],[9],11	[14],16,17
UDTUGB	<i>GlobalFiler</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16	X,Y	10,11,12	19,21,22,23
				14,23.2,25.2,28.2	6,7,8	8,9,11	14,16,17
UG6YRB	<i>GlobalFiler, Minifiler, SGMPlus</i>						
	3e	14,16.3,17.3,18.3	16,19,25,26	11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,15,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,18,19
		12,14,15	30,30.2,31.2	15,16	X,Y	10,11,12	19,21,22,23
				14,23.2,25.2,28.2	6,7,8	8,9,11	14,16,17
UGNPXN	<i>Identifiler® Plus</i>						
	3e	16,19,[25]			[15],16,18	10,11,[13]	9,10,[11],12
		[12,13],14,15			8,10,[11],14]	11,[12],13	13,[15],19
		[12],14,15	[28,30],30.2,31.2		X,[Y]	[10],11,12	19,[21,22],23
					[6],7,[8]	[8],9,11	[14],16,17
V8WQG3	<i>Identifiler® Plus</i>						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17
VBFNCK	<i>PowerPlex® 16</i>						
	3e				[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
			[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
		9,11,[12]	11,[12],15		[6],7,[8]	[8],9,11	[14],16,17
VLW9VG	<i>Identifiler® plus, PowerPlex® HS, ESX, FUSION</i>						
	3e				16,18	10,11	9,10
		14,15	14,16		8,10	11,13	13,19
		14,15	30.2,31.2	16	X	11,12	
		9,11	11,15		7	9,11	16,17
VMAVCB	<i>GlobalFiler, SGMPlus</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16	X,Y	10,11,12	19,21,22,23
				14,23.2,25.2,28.2	6,7,8	8,9,11	14,16,17
VTVXBZ	<i>Identifiler® Plus, MiniFiler</i>						
	3e	16,19,25			15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
					6,7,8	8,9,11	14,16,17

TABLE 1

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

VU8UF6	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
VX9XAD	<i>Identifiler® Plus</i>						
	3e	-	16,19,25	-	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	-	-	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	-	X,Y	10,11,12	19,21,22,23
	-	-	-	6,7,8	8,9,11	14,16,17	
VY69B8	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,23
				6,7,8	9,11	14,16,17	
VZUK3Z	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
W3J4R6	<i>Identifiler® Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
WA2NL4	<i>COfiler® and Profiler Plus® Profiler Plus</i>						
	3e				15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14		13,15,19
			28,29,30,30.2,31.2		X,Y		19,21,22,23
						14,16,17	
WF3V8Y	<i>Identifiler® Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,23
				6,7,8	8,9,11	14,16,17	
WLEWC3	<i>Identifiler®</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
				6,7,8	8,9,11	14,16,17	
XAXBME	<i>PowerPlex® 16 HS, ESI 17</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16	X,Y	10,11,12	19,21,22,23
		9,11,12	11,12,15,18	14,23.2,25.2,28.2	6,7,8	8,9,11	14,16,17

TABLE 1

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

XHU62Z	<i>Identifiler® Plus, Minifiler</i>						
	3e		16,19,25		15,16,18	10,11	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		14,15	28,30,30.2,31.2		X,Y 6,7,8	10,11,12 9,11	19,21,22,23 14,16,17
XLRRBF	<i>PowerPlex® Fusion</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	16	X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
XVZ8F3	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	3e		16,19,25		16,18	10,11	9,10
		12,14,15			8,10,11	11,12,13	13,19
		14,15	30,30.2,31.2		X 7	11,12 9,11	19,21,23 16,17
Y8PJ87	<i>PowerPlex® Fusion</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	16	X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
Y939C4	<i>Globalfiler</i>						
	3e	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2	15,16 14,23.2,25.2,28.2	X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
YFJQQC	<i>Identifiler®</i>						
	3e		16,19		[15],16,18	10,11	9,10
		[12],[13],14,15			8,10,[11]	11,[12],13	13,19
		[12],14,15	[28],[30],30.2,31.2		X,X [6],7,[8]	[10],11,12 [8],9,11	19,[22],23 [14],16,17
YJFDJZ	<i>Identifiler® , Identifiler Plus</i>						
	3e		16,19,25		15,16,18	10,11,13	9,10,11,12
		12,13,14,15			8,10,11,14	11,12,13	13,15,19
		12,14,15	30,30.2,31.2		X,Y 6,7,8	10,11,12 8,9,11	19,21,22,23 14,16,17
YJFF8J	<i>PowerPlex® 16</i>						
	3e				[15],16,18	10,11,[13]	9,10,[11],[12]
		[12],[13],14,15			8,10,[11],[14]	11,[12],13	13,[15],19
			[28],[30],30.2,31.2		X,[Y]	[10],11,12	19,[21],[22],23
	9,11,[12]	11,[12],15,[18]		[6],7,[8]	[8],9,11	[14],16,17	
YPNKZ4	<i>Identifiler® Plus</i>						
	3e		16,19,[25]		[15],16,18	10,11,[13]	9,10,[11],12
		[12,13],14,15			8,10,[11],14	11,[12],13	13,[15],19
		[12],14,15	[28,30],30.2,31.2		X,[Y]	[10],11,12	19,[21,22],23
				[6],7,[8]	[8],9,11	[14],16,17	

TABLE 1

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

Z4GQQD	PowerPlex® Fusion						
	3e	14,[16.3],[17.3],18.3 12,13,[14],[15] 12,[14],15 9,[11],12	16,[19],25 14,16 28,30,[30.2],[31.2] [11],12,[15],18	10,[11],[12],14 15,[17],[19.3],23 [15],16	15,16,[18] [8],[10],11,14 X,Y 6,7,8	[10],11,13 [11],12,13 10,[11],12 8,[9],11	[9],[10],11,12 13,15,[19] [19],21,22,[23] 14,16,[17]
Z7QV42	Identifiler®, PowerPlex® 16HS						
	3e	12,13,14,15 12,14,15 9,11,12	16,19,25 28,30,30.2,31.2 11,12,15		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
ZD97DV	Identifiler® Plus						
	3e	12,13,14,15 12,14,15	16,19,25 28,30,30.2,31.2		15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
ZFDWKB	PowerPlex® Fusion						
	3e	14,16.3,17.3,18.3 12,13,14,15 12,14,15 9,11,12	16,19,25 14,16 28,30,30.2,31.2 11,12,15	10,11,12,14 15,17,19.3,23 16	15,16,18 8,10,11 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,23 14,16,17
ZL44BW	Identifiler® Plus						
	3e	[12,13],14,15 [12],14,15	16,19,[25] [28,30],30.2,31.2		[15],16,18 8,10,[11],14 X [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],12 13,[15],19 19,[21,22],23 [14],16,17
ZRQR73	Identifiler® Plus						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17
ZUWG46	PowerPlex® Fusion						
	3e	14,16.3,17.3,18.3 12,13,14,15 12,14,15 9,11,12	16,19,25 14,16 28,30,30.2,31.2 11,12,15,18	10,11,12,14 15,17,19.3,23 15,16	15,16,18 8,10,11,14 X,Y 6,7,8	10,11,13 11,12,13 10,11,12 8,9,11	9,10,11,12 13,15,19 19,21,22,23 14,16,17
ZY7LV4	Identifiler®						
	3e	[12],[13],14,15 [12],14,15	16,19,[25] [28],[30],30.2,31.2		[15],16,18 8,10,[11],[14] X,[Y] [6],7,[8]	10,11,[13] 11,[12],13 [10],11,12 [8],9,11	9,10,[11],[12] 13,[15],19 19,[21],[22],23 [14],16,17

TABLE 1

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

## Item 3pc - STR Results

4VU6QW	COfiler® and Profiler Plus®						
	3pc				15,16	11,13	11,12
		12,13			11,14		13,15
			28,30		X,Y		21,22
							14,16



TABLE 1

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

29UTBM	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
2AMYCY	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
2PVUNL	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
2ZHTHX	<i>PowerPlex® 16HS</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
2ZJLG6	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
3DWG6Z	<i>Identifiler® , Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
3EWJU6	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
3FTR8V	<i>Identifiler® Plus</i>						
	3sp	NA	16,25	NA	15,16	11,13	11,12
		12,13	NA	NA	11,14	[11],12,13	13,15
		12,15	28,30	NA	X,Y	10,12	21,22
	NA	NA	NA	6,[7],8	8,11	14,16	
3HBWXD	<i>Globalfiler</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
			23,2,28.2	6,8	8,11	14,16	

TABLE 1

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

3KGGMY	PowerPlex® 16HS						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	19,21,22
	9,12	12,18		6,8	8,11	14,16	
3L8PM2	Identifiler®						
	3sp	-	16,25	-	15,16	11,13	11,12
		12,13	-	-	11,14	12,13	13,15
		12,15	28,30	-	X,Y	10,12	21,22
	-	-	-	6,8	8,11	14,16	
3TEAT8	Identifiler® Plus						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
43DBM3	PowerPlex® 16						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
44AMPX	Identifiler® Plus						
	3sp	NA	16,25	NA	15,16	11,13	11,12
		12,13	NA	NA	11,14	12,13	13,15
		12,15	28,30	NA	X,Y	10,12	21,22
	NA	NA	NA	6,8	8,11	14,16	
4EAAGU	Identifiler® Plus						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
4GTAR4	PowerPlex® 16						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
4L9W9U	Identifiler® Plus						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
4T7R7T	Identifiler® Plus						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

4U6PP2	<i>PowerPlex® 21</i>						
	3sp	14,18.3	16,25		15,16	11,13	11,12
		12,13		15,23	11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
4WPQH2	<i>Identifiler® ID and ID Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
4ZN66R	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
63UXMW	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
69FV9Y	<i>Identifiler® and Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
6MXMTY	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13,15			10,11,14	11,12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,7,8	8,11	14,16	
6UL4UP	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
782JBU	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
7FT4AZ	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

7QCKZL	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
7RAT97	<i>Identifiler® Plus</i>						
	3sp	-	16,25	-	15,16	11,13	11,12
		12,13	-	-	11,14	12,13	13,15
		12,15	28,30	-	X,Y	10,12	21,22
		-	-	-	6,8	8,11	14,16
8K2NWC	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
8TZ8FV	<i>Globalfiler</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	[9],11,12
		12,13	14,16	15,[19.3],23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
			23.2,28.2	6,8	8,11	14,16	
9DDNRJ	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13,[14]			11,14	12,13	13,15
		12,15	28,30		X,Y	10,[11],12	21,22
				6,[7],8	8,11	14,16	
A3XV3A	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
A3XW6V	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
A62RNX	<i>Identifiler® Plus</i>						
	3sp	-	16,25	-	15,16	11,13	11,12
		12,13	-	-	11,14	12,13	13,15
		12,15	28,30	-	X,Y	10,12	21,22
		-	-	-	6,8	8,11	14,16
ABAAK6	<i>GlobalFiler</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
			23.2,28.2	6,8	8,11	14,16	

TABLE 1

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

AKJANT	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
APCJPE	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
B2WHTL	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
B7VUTT	<i>Identifiler® , Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
B8R6VM	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
BCF28Q	<i>Identifiler®</i>						
	3sp		16,25		15,16,[18]	11,13	[9],11,12
		12,13,[14],[15]			[8],11,14	12,13	13,15
		12,15	28,30,[30.2],[31.2]		X,Y	10,12	21,22
				6,[7],8	8,11	14,16,[17]	
BJG3WK	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
BJG6LP	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
BR8WMN	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp - STR Results</b>							
BRCCX4	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
C6HHUN	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
C77VD7	<i>PowerPlex® 16</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
C78TN2	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
C9GVFR	<i>PowerPlex® 21</i>						
	3sp	14,18.3	16,25		15,16	11,13	11,12
		12,13		15,23	11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
CFELYG	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
CH4RGT	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
CLGLAJ	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
CMWYVW	<i>Identifiler® Plus</i>						
	3sp	-	16,25	-	15,16	11,13	11,12
		12,13	-	-	11,14	12,13	13,15
		12,15	28,30	-	X,Y	10,12	21,22
		-	-	-	6,8	8,11	14,16

TABLE 1

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

CXVWEN	<i>Identifiler® Plus</i>						
	3sp		16,[19],25		15,16,[18]	11,13	[10],11,12
		12,13,[14],[15]			[8],11,14	[11],12,13	13,15
		12,[14],15	28,30,[30.2],[31.2]		X,Y	10,[11],12	21,22,[23]
				6,[7],8	8,11	14,16,[17]	
D4F8CP	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
D74NLX	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
DTENVV	<i>Identifiler®</i>						
	3sp	-	16,25	-	15,16	11,13	11,12
		12,13	-	-	11,14	12,13	13,15
		12,15	28,30	-	X,Y	10,12	21,22
	-	-	-	6,8	8,11	14,16	
E8CFVQ	<i>GlobalFiler</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
			23.2,28.2	6,8	8,11	14,16	
E8V4DK	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
EBFTXX	<i>PowerPlex® ESI 16 FAST</i>						
	3sp	14,18.3	16,25	10,14	15,16		
		12,13	14,16	15,23		12,13	13,15
		12,15	28,30	15,16	X,Y		21,22
				6,8		14,16	
EFLLRU	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
EGHXTN	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

FQ4QCX	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
FQ6JCR	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
G2XGEG	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
GDUA6T	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
GMFHJN	<i>Identifiler®, Identifiler Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
GRU74L	<i>PowerPlex® 16HS</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
GVGNR	<i>Identifiler®</i>						
	3sp	not tested	16,25	not tested	15,16	11,13	11,12
		12,13	not tested	not tested	11,14	12,13	13,15
		12,15	28,30	not tested	X,Y	10,12	21,22
		not tested	not tested	not tested	6,8	8,11	14,16
GZ4FRE	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,7,8	8,11	14,16	
GZKRAJ	<i>Identifiler®, Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	



TABLE 1

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

H8JJBL	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
HB3VUN	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
HT2QME	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
HUWCEK	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
JKKMZD	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
JUU2ZT	<i>PowerPlex® HS,ESI17, NGMSELECT</i>						
	3sp	14,16.3,17.3,18.3	16,19,25	10,11,12,14	15,16,18	10,11,13	9,10,11,12
		12,13,14,15	14,16	15,17,19.3,23	8,10,11,14	11,12,13	13,15,19
		12,14,15	28,30,30.2,31.2		X,Y	10,11,12	19,21,22,23
		9,11,12	11,12,15,18	14,23.2,25.2,28.2	6,7,8	8,9,11	14,16,17
JV47DH	<i>Identifiler® ID and ID Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
JWE4PE	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
K69FEF	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

KBTJLH	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
KEX2NK	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
KGXE6H	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
KNLZEP	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
KZUX6B	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
L23C7P	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
L3CGGT	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
LBTXBN	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
LQKU9C	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

LRFFZH	<i>Identifiler® Plus, MiniFiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
LTNLHD	<i>Identifiler® , Identifiler Plus, MiniFiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
LYUCQB	<i>Identifiler® Plus</i>						
	3sp	NA	16,[19],25	NA	15,16,[18]	[10],11,13	[9,10],11,12
		12,13,[14,15]	NA	NA	[8],11,14	[11],12,13	13,15,[19]
		12,[14],15	28,30,[30.2,31.2]	NA	X,Y	10,[11],12	[19],21,22,[23]
	NA	NA	NA	6,[7],8	8,[9],11	14,16,[17]	
M9LV6J	<i>GlobalFiler, SGMPlus</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
			23.2,28.2	6,8	8,11	14,16	
MGQ8VL	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
MW6D4Z	<i>COfiler® and Profiler Plus®</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
MX2PF	<i>Identifiler® , Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
NG9FJF	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
NRPZ4C	<i>Identifiler® and Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

P8FLKN	<i>PowerPlex® Fusion</i>							
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12	
		12,13	14,16	15,23	11,14	12,13	13,15	
		12,15	28,30	15,16	X,Y	10,12	21,22	
		9,12	12,18		6,8	8,11	14,16	
PDZKBW	<i>COfiler® and Profiler Plus® ID</i>							
	3sp				15,16	11,13	11,12	
		12,13			11,14	12,13	13,15	
			28,30		X,Y	10,12	21,22	
					6,8	8,11	14,16	
PEV8R8	<i>Identifiler® Plus</i>							
	3sp		16,25		15,16	11,13	11,12	
		12,13			11,14	12,13	13,15	
		12,15	28,30		X,Y	10,12	21,22	
					6,8	8,11	14,16	
PHW9WB	<i>DNA 17 NGM Select</i>							
	3sp	14,18.3	16,25	10,14	15,16			
		12,13	14,16	15,23		12,13	13,15	
		12,15	28,30	15,16	X,Y		21,22	
				23.2,28.2	6,8		14,16	
PJTKX6	<i>Identifiler® Plus</i>							
	3sp		16,25		15,16	11,13	11,12	
		12,13			11,14	12,13	13,15	
		12,15	28,30		X,Y	10,12	21,22	
					6,8	8,11	14,16	
QCPVU7	<i>Identifiler® Plus</i>							
	3sp		16,25		15,16	11,13	11,12	
		12,13			11,14	12,13	13,15	
		12,15	28,30		X,Y	10,12	21,22	
					6,8	8,11	14,16	
QJ7FUW	<i>PowerPlex® Fusion</i>							
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12	
		12,13	14,16	15,23	11,14	12,13	13,15	
		12,15	28,30	15,16	X,Y	10,12	21,22	
		9,12	12,18		6,8	8,11	14,16	
RC4VYE	<i>PowerPlex® 16</i>							
	3sp				15,16	11,13	11,12	
		12,13			11,14	12,13	13,15	
			28,30		X,Y	10,12	21,22	
		9,12	12,18		6,8	8,11	14,16	
RH9UA6	<i>Identifiler® Plus</i>							
	3sp		16,25		15,16	11,13	11,12	
		12,13			11,14	12,13	13,15	
		12,15	28,30		X,Y	10,12	21,22	
					6,8	8,11	14,16	

TABLE 1

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

RP94PA	PowerPlex® 16, 16HS						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
TE4KGE	PowerPlex® 16HS						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
TFZWH9	Identifiler® Plus						
	3sp		16,25		15,16	[10],11,13	11,12
		12,13			11,14	[11],12,13	13,15
		12,15	28,30		X,Y	10,[11],12	21,22
					6,[7],8	8,11	14,16
TMWVQA	Identifiler®						
	3sp		16,[19],25		15,16,[18]	[10],11,[12],13	[10],11,12
		12,13,[14],[15]			[8],[10],11,14	[11],12,13	13,15
		12,[14],15	28,30,[30.2],[31.2]		X,Y	10,[11],12	[19],21,22,[23]
					6,[7],8	8,[9],11	14,16,[17]
TZLJC9	Identifiler® Plus						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
U2TDG8	Identifiler®						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
U7NVE3	Identifiler® Plus						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
U8X7EA	Identifiler® Plus, MiniFiler						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
U8ZUVM	PowerPlex® 16						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16

TABLE 1

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

UDAYP9	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
UDTUGB	<i>GlobalFiler</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
				23.2,28.2	6,8	8,11	14,16
UG6YRB	<i>GlobalFiler, Minifiler, SGMPlus</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
				23.2,28.2	6,8	8,11	14,16
UGNPXN	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
V8WQG3	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
VBFNCK	<i>PowerPlex® 16</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
VLW9VG	<i>Identifiler® plus, PowerPlex® HS, ESX, FUSION</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18	23.2,28.2	6,8	8,11	14,16
VMAVCB	<i>GlobalFiler, SGMPlus</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
				23.2,28.2	6,8	8,11	14,16
VTVXBZ	<i>Identifiler® Plus, MiniFiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	

TABLE 1

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

VU8UF6	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	[10],11,12
		12,13,[14],[15]			11,14	[11],12,13	13,15,[19]
		12,[14],15	28,30		X,Y	10,[11],12	21,22
					6,[7],8	8,11	14,16
VX9XAD	<i>Identifiler® Plus</i>						
	3sp	-	16,25	-	15,16	11,13	11,12
		12,13	-	-	11,14	12,13	13,15
		12,15	28,30	-	X,Y	10,12	21,22
		-	-	-	6,8	8,11	14,16
VY69B8	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
VZUK3Z	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
W3J4R6	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
WA2NL4	<i>COfiler® and Profiler Plus® Profiler Plus</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14		13,15
			28,30		X,Y		21,22
							14,16
WF3V8Y	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
WLEWC3	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
					6,8	8,11	14,16
XAXBME	<i>PowerPlex® 16 HS, ESI 17</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18	23.2,28.2	6,8	8,11	14,16

TABLE 1

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

XHU62Z	<i>Identifiler® Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
XLRRBF	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
XVZ8F3	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			8,11,14	12,13	13,15
		12,15	28,30,30.2		X,Y	10,11,12	19,21,22
				6,8	8,11	14,16	
Y8PJ87	<i>PowerPlex® Fusion</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
		9,12	12,18		6,8	8,11	14,16
Y939C4	<i>Globalfiler</i>						
	3sp	14,18.3	16,25	10,14	15,16	11,13	11,12
		12,13	14,16	15,23	11,14	12,13	13,15
		12,15	28,30	15,16	X,Y	10,12	21,22
				23.2,28.2	6,8	8,11	14,16
YFJQQC	<i>Identifiler®</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
YJFDJZ	<i>Identifiler® , Identifiler Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	
YJFF8J	<i>PowerPlex® 16</i>						
	3sp				15,16	11,13	11,12
		12,13			11,14	12,13	13,15
			28,30		X,Y	10,12	21,22
	9,12	12,18		6,8	8,11	14,16	
YPNKZ4	<i>Identifiler® Plus</i>						
	3sp		16,25		15,16	11,13	11,12
		12,13			11,14	12,13	13,15
		12,15	28,30		X,Y	10,12	21,22
				6,8	8,11	14,16	



TABLE 1

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

Z4GQQD	PowerPlex® Fusion						
	3sp	14,18.3 12,13,[14],[15] 12,[14],15 9,[11],12	16,[19],25 14,16 28,30,[30.2] 12,18	10,14 15,23 15,16	15,16 11,14 X,Y 6,[7],8	11,13 [11],12,13 10,[11],12 8,[9],11	11,12 13,15,[19] 21,22 14,16
Z7QV42	Identifiler® , PowerPlex® 16HS						
	3sp	12,13 12,15 9,12	16,25 28,30 12,18		15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
ZD97DV	Identifiler® Plus						
	3sp	12,13 12,15	16,25 28,30		15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
ZFDWKB	PowerPlex® Fusion						
	3sp	14,18.3 12,13 12,15 9,12	16,25 14,16 28,30 12,18	10,14 15,23 15,16	15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
ZL44BW	Identifiler® Plus						
	3sp	12,13 12,15	16,25 28,30		15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
ZRQR73	Identifiler® Plus						
	3sp	12,13 12,15	16,25 28,30		15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
ZUWG46	PowerPlex® Fusion						
	3sp	14,18.3 12,13 12,15 9,12	16,25 14,16 28,30 12,18	10,14 15,23 15,16	15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16
ZY7LV4	Identifiler®						
	3sp	12,13 12,15	16,25 28,30		15,16 11,14 X,Y 6,8	11,13 12,13 10,12 8,11	11,12 13,15 21,22 14,16

TABLE 1

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

29UTBM	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
2AMYCY	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
2PVUNL	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
2ZHTHX	<i>PowerPlex® 16HS</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2,2,12	12,17		8,8	6,11	14,16	
2ZJLG6	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
3DWG6Z	<i>Identifiler® , Identifiler Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
3EWJU6	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
3FTR8V	<i>Identifiler® Plus</i>						
	4	NA	17,18	NA	15,17	12,13	8,11
		12,12	NA	NA	11,12	9,11	14,18
		10,12	28,30.2	NA	X,Y	11,12	22,24
	NA	NA	NA	8,8	6,11	14,16	
3HBWXD	<i>Globalfiler</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8	6,11	14,16	

TABLE 1

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

3KGGMY	<i>PowerPlex® 16HS</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2,2,12	12,17		8,8	6,11	14,16	
3L8PM2	<i>Identifiler®</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
	-	-	-	8	6,11	14,16	
3TEAT8	<i>Identifiler® PLUS</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
43DBM3	<i>PowerPlex® 16</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2,2,12	12,17		8,8	6,11	14,16	
44AMPX	<i>Identifiler® Plus</i>						
	4	NA	17,18	NA	15,17	12,13	8,11
		12,12	NA	NA	11,12	9,11	14,18
		10,12	28,30.2	NA	X,Y	11,12	22,24
	NA	NA	NA	8,8	6,11	14,16	
4EAAGU	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
4L9W9U	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
4T7R7T	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
4U6PP2	<i>PowerPlex® 21</i>						
	4	11,11	17,18		15,17	12,13	8,11
		12,12		21,22	11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
	2,2,12	12,17		8,8	6,11	14,16	

TABLE 1

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

4VU6QW	<i>COfiler® and Profiler Plus®</i>						
	4				15,17	12,13	8,11
		12,12			11,12		14,18
			28,30.2		X,Y		22,24 14,16
4WPQH2	<i>Identifiler® ID and ID Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16
4ZN66R	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16
63UXMW	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16
69FV9Y	<i>Identifiler® and Identifiler Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16
6MXMTY	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16
6UL4UP	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16
74X2MX	<i>Identifiler®</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12,12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24 14,16
782JBU	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24 14,16

TABLE 1

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

7FT4AZ	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
7QCKZL	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
7RAT97	<i>Identifiler® Plus</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12,12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
				8,8	6,11	14,16	
8K2NWC	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
8K2T6T	<i>COfiler® and Profiler Plus®</i>						
	4				15,17	12,13	8,11
		12,12			11,12		14,18
			28,30.2		X,Y		22,24
						14,16	
8TZ8FV	<i>Globalfiler</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
9DDNRJ	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
A3XV3A	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
A3XW6V	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2,2,12	12,17		8	6,11	14,16	

TABLE 1

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

A62RNX	<i>Identifiler® Plus</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
		-	-	-	8	6,11	14,16
ABAAK6	<i>GlobalFiler</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8	6,11	14,16	
AKJANT	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
APCJPE	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
B2WHTL	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
B7VUTT	<i>Identifiler® , Identifiler Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
B8R6VM	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
BCF28Q	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
BJG3WK	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

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

BJG6LP	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
BR8WMN	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
BRCCX4	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
C6HHUN	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
C77VD7	<i>PowerPlex® 16</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
C78TN2	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2.2,12	12,17		8	6,11	14,16	
C9GVFR	<i>PowerPlex® 21</i>						
	4	11,11	17,18		15,17	12,13	8,11
		12,12		21,22	11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
	2.2,12	12,17		8,8	6,11	14,16	
CFELYG	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
CH4RGT	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

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

CLGLAJ	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
CMWYW	<i>Identifiler® Plus</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
		-	-	-	8	6,11	14,16
CXWEN	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
D4F8CP	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
D74NLX	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2,2,12	12,17		8	6,11	14,16	
DTENVV	<i>Identifiler®</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
		-	-	-	8	6,11	14,16
E8CFVQ	<i>GlobalFiler</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
E8V4DK	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
EBFTXX	<i>PowerPlex® ESI 16 FAST</i>						
	4	11,11	17,18	11,11	15,17		
		12,12	15,16	21,22		9,11	14,18
		10,12	28,30.2	12,16	X,Y		22,24
				8,8		14,16	



TABLE 1

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

EFLLRU	<i>Identifiler®</i>							
	4		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8	6,11	14,16		
EGHXTN	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8	6,11	14,16		
FQ4QCX	<i>PowerPlex® Fusion</i>							
	4	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
	2.2,12	12,17		8	6,11	14,16		
FQ6JCR	<i>Identifiler®</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
G2XGEG	<i>Identifiler®</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
GB62VR	<i>GoldenEye 20A</i>							
	4		17,18		15,17	12,13	8,11	
		12		21,22	11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
	2.2,12	12,17		8	6,11	14,16		
GDUA6T	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
GRU74L	<i>PowerPlex® 16HS</i>							
	4				15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
			28,30.2		X,Y	11,12	22,24	
	2.2,12	12,17		8,8	6,11	14,16		
GVGNR	<i>Identifiler®</i>							
	4	not tested	17,18	not tested	15,17	12,13	8,11	
		12,12	not tested	not tested	11,12	9,11	14,18	
		10,12	28,30.2	not tested	X,Y	11,12	22,24	
	not tested	not tested	not tested	8,8	6,11	14,16		

TABLE 1

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

GZ4FRE	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
GZKRAJ	<i>Identifiler® , Identifiler Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
H8JJBL	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
HB3VUN	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2,2,12	12,17		8	6,11	14,16	
HT2QME	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
HUWCEK	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
JKKMZD	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
JUJ2ZT	<i>PowerPlex® 16 HS, NGMSELECT</i>						
	4	12	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
	2,2,12	12,17	14,19	8	6,11	14,16	
JV47DH	<i>Identifiler® ID and ID Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

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

JWE4PE	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
K69FEF	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
KBTJLH	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
KEX2NK	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2,2,12	12,17		8	6,11	14,16
KGXE6H	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
KNLZEP	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
KZUX6B	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
L23C7P	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
L3CGGT	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16

TABLE 1

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

LBTXBN	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
LQKU9C	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
LRFFZH	<i>Identifiler® Plus, MiniFiler</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
LTNLHD	<i>Identifiler®, Identifiler Plus, MiniFiler</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		
LYUCQB	<i>Identifiler® Plus</i>							
	4	NA	17,18	NA	15,17	12,13	8,11	
		12,12	NA	NA	11,12	9,11	14,18	
		10,12	28,30.2	NA	X,Y	11,12	22,24	
	NA	NA	NA	8,8	6,11	14,16		
M9LV6J	<i>GlobalFiler, SGMPlus</i>							
	4	11,11	17,18	11,11	15,17	12,13	8,11	
		12,12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
			14,19	8,8	6,11	14,16		
MGQ8VL	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8	6,11	14,16		
MW6D4Z	<i>COfiler® and Profiler Plus®</i>							
	4				15,17	12,13	8,11	
		12			11,12	9,11	14,18	
			28,30.2		X,Y	11,12	22,24	
				8	6,11	14,16		
MXX2PF	<i>Identifiler®, Identifiler Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
				8,8	6,11	14,16		

TABLE 1

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

NG9FJF	<i>PowerPlex® Fusion</i>							
	4	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
NRPZ4C	<i>Identifiler® and Identifiler Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	
P8FLKN	<i>PowerPlex® Fusion</i>							
	4	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	
PDZKBW	<i>COfiler® and Profiler Plus® ID</i>							
	4				15,17	12,13	8,11	
		12			11,12	9,11	14,18	
			28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	
PEV8R8	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	
PHW9WB	<i>DNA 17 NGM Select</i>							
	4	11,11	17,18	11,11	15,17			
		12,12	15,16	21,22		9,11	14,18	
		10,12	28,30.2	12,16	X,Y		22,24	
				14,19	8,8		14,16	
PJTKX6	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8	6,11	14,16	
QCPVU7	<i>Identifiler® Plus</i>							
	4		17,18		15,17	12,13	8,11	
		12,12			11,12	9,11	14,18	
		10,12	28,30.2		X,Y	11,12	22,24	
					8,8	6,11	14,16	
QJ7FUW	<i>PowerPlex® Fusion</i>							
	4	11	17,18	11	15,17	12,13	8,11	
		12	15,16	21,22	11,12	9,11	14,18	
		10,12	28,30.2	12,16	X,Y	11,12	22,24	
		2,2,12	12,17		8	6,11	14,16	

TABLE 1

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

RC4VYE	<i>PowerPlex® 16</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12		12,17		8,8	6,11	14,16
RH9UA6	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
RP94PA	<i>PowerPlex® 16, 16HS</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12		12,17		8,8	6,11	14,16
TE4KGE	<i>PowerPlex® 16HS</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
	2.2,12		12,17		8,8	6,11	14,16
TFZWH9	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
TMWVQA	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
TZLJC9	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
U2TDG8	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
U7NVE3	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	

TABLE 1

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

U8X7EA	<i>Identifiler® Plus, MiniFiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
U8ZUVM	<i>PowerPlex® 16</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
UDAYP9	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
UDTUGB	<i>GlobalFiler</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
				14,19	8,8	6,11	14,16
UG6YRB	<i>GlobalFiler, Minifiler, SGMPlus</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
				14,19	8,8	6,11	14,16
UGNPXN	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
V8WQG3	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
VBFNCK	<i>PowerPlex® 16</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
VLW9VG	<i>Identifiler® PLUS, PowerPlex® HS, FUSION</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16

TABLE 1

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

VMAVCB	<i>GlobalFiler, SGMPlus</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
			14,19	8,8	6,11	14,16	
VTVBZ	<i>Identifiler® Plus, MiniFiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
VU8UF6	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
VX9XAD	<i>Identifiler® Plus</i>						
	4	-	17,18	-	15,17	12,13	8,11
		12	-	-	11,12	9,11	14,18
		10,12	28,30.2	-	X,Y	11,12	22,24
			-	8	6,11	14,16	
VY69B8	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
VZUK3Z	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	
W3J4R6	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
WA2NL4	<i>COfiler® and Profiler Plus® Profiler Plus</i>						
	4				15,17	12,13	8,11
		12,12			11,12		14,18
			28,30.2		X,Y		22,24
						14,16	
WF3V8Y	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8,8	6,11	14,16	



TABLE 1

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

WLEWC3	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
				8	6,11	14,16	
XAXBME	<i>PowerPlex® 16HS, ESI17, FUSION</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17	14,19	8	6,11	14,16
XHU62Z	<i>Identifiler® Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
XLRRBF	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
XVZ8F3	<i>Identifiler® Identifiler Plus, Minifiler</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
Y8PJ87	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
Y939C4	<i>Globalfiler</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
				14,19	8,8	6,11	14,16
YFJQQC	<i>Identifiler®</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
YJFDJZ	<i>Identifiler® , Identifiler Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16

TABLE 1

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

YJFF8J	<i>PowerPlex® 16</i>						
	4				15,17	12,13	8,11
		12,12			11,12	9,11	14,18
			28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
YPNKZ4	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
Z4GQQD	<i>PowerPlex® Fusion</i>						
	4	11,11	17,18	11,11	15,17	12,13	8,11
		12,12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
Z7QV42	<i>Identifiler® , PowerPlex® 16HS</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
		2.2,12	12,17		8,8	6,11	14,16
ZD97DV	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
ZFDWKB	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16
ZL44BW	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12,12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8,8	6,11	14,16
ZRQR73	<i>Identifiler® Plus</i>						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16
ZUWG46	<i>PowerPlex® Fusion</i>						
	4	11	17,18	11	15,17	12,13	8,11
		12	15,16	21,22	11,12	9,11	14,18
		10,12	28,30.2	12,16	X,Y	11,12	22,24
		2.2,12	12,17		8	6,11	14,16

TABLE 1

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

## Item 4 - STR Results

ZY7LV4	Identifiler®						
	4		17,18		15,17	12,13	8,11
		12			11,12	9,11	14,18
		10,12	28,30.2		X,Y	11,12	22,24
					8	6,11	14,16

TABLE 1

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

4GTAR4	PowerPlex® 16						
	4e	12,12	28,30.2	X,Y	15,17	12,13	8,11
		2,2,12	12,17	8,8	11,12	9,11	14,18
						11,12	22,24
						6,11	14,16
GMFHJN	Identifiler®, Identifiler Plus, Minifiler						
	4e	12,12	28,30.2	X,Y	15,17	12,13	8,11
		10,12		8,8	11,12	9,11	14,18
						11,12	22,24
						6,11	14,16

TABLE 1

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

## Item 4sp - STR Results

4GTAR4	<i>PowerPlex® 16</i>						
	4sp			No Results	No Results	No Results	No Results
		No Results		No Results	No Results	No Results	No Results
			No Results	No Results	No Results	No Results	No Results
GMFHJN	<i>Identifiler®, Identifiler Plus, Minifiler</i>						
	4sp		No Results	No Results	No Results	No Results	No Results
		No Results		No Results	No Results	No Results	No Results
		No Results	No Results	No Results	No Results	No Results	No Results

# 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		
<b>Item 1 - YSTR Results</b>										
3EWJU6	Yfiler® 1	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
6CZMK2	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
					NR		NR			
A3XW6V	Powerplex Fusion 1						NR			
A62RNX	1	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
BRCCX4	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
					NR		NR			
C78TN2	PowerPlex Fusion 1						NR			
CMWYW	Yfiler® 1	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
DYMAJT	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
					NR		NR			
FQ4QCX	PowerPlex Fusion 1						NR			
GMFHJN	Yfiler® 1	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	
		No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	
					No Results		No Results			

TABLE 2

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

Item 1 - YSTR Results

HB3VUN	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
KEX2NK	PowerPlex Fusion 1						NR		
MWV3C3	Yfiler® 1								
MZ2YV3	Yfiler® 1								
NG9FJF	PowerPlex Fusion 1						NR		
P8FLKN	PowerPlex Fusion 1						NR		
PY7ZUA	Yfiler® 1								
TDBPZX	Yfiler® 1								
VX9XAD	1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
XLRRBF	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

TABLE 2

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

## Item 1 - YSTR Results

XPPBBT      Yfiler®  
1

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Y8PJ87      PowerPlex Fusion  
1

NR

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ZUWG46      PowerPlex Fusion  
1

NR



TABLE 2

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

## Item 2 - YSTR Results

29UTBM	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
2PVUNL	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
3EWJU6	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
4EAAGU	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
4T7R7T	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
4WPQH2	PowerPlex® Y PPY23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
6CZMK2	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
6UL4UP	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
6YE7W4	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
7FT4AZ	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		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		
<b>Item 2 - YSTR Results</b>										
8K2NWC	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
8TZ8FV	Yfiler® , Globalfiler (Y indel)	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12	2		
A3XV3A	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
A3XW6V	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
A62RNX	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	-	-	
		-	-	-	21	-	12	-	-	
ABAAK6	GlobalFiler						10			
									2	
APCJPE	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
B8R6VM	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
BRCCX4	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
C6HHUN	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		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		
<b>Item 2 - YSTR Results</b>										
C78TN2	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
CG44NV	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
CMWYV	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	-	-	
		-	-	-	21	-	12	-	-	
D74NLX	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
DYMAJT	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
EBFTXX	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
EFLLRU	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
F7CQ2T	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
FQ4QCX	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
G2XGEG	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		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		
<b>Item 2 - YSTR Results</b>										
GB62VR	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
GMFHJN	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
GVGNRR	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	not tested	not tested	
		not tested	not tested	not tested	21	not tested	12	not tested	not tested	
GZ4FRE	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
H8JJBL	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
HB3VUN	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
HUWCEK	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
JUU2ZT	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
JV47DH	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
JWE4PE	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	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		
<b>Item 2 - YSTR Results</b>										
KEX2NK	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
KZUX6B	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	12			
LTNLHD	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
M9LV6J	PowerPlex® Y	15	15,16	12	29	21	10	11	14	
		14	11	12						
MGQ8VL	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
MVW3C3	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
MW6D4Z	2						10			
MXX2PF	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
MZ2YV3	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
NG9FJF	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		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		
<b>Item 2 - YSTR Results</b>										
NRPZ4C	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
P8FLKN	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
PY7ZUA	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
QCPVU7	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
TDBPZX	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
TFZWH9	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
TZLJC9	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
U7NYE3	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
U8X7EA	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
UDTUGB	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		

TABLE 2

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

## Item 2 - YSTR Results

UG6YRB	PowerPlex® Y	2	15	15,16	12	29	21	10	11	14
			14	11	12					
UGNPXN	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
VBFNCK	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
VLW9VG	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
VMAVCB	PowerPlex® Y	2	15	15,16	12	29	21	10	11	14
			14	11	12					
VTVBZ	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
VX9XAD	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	-	-
			-	-	-	21	-	12	-	-
VY69B8	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
VZUK3Z	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
W3J4R6	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		

TABLE 2

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

## Item 2 - YSTR Results

XAXBME	PowerPlex® Y Y23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
XHU62Z	PowerPlex® Y 23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
XLRRBF	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
XPPBBT	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
Y8PJ87	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
Y939C4	PowerPlex® Y	2	15	15,16	12	29	21	10	11	14
			14	11	12					
YPNKZ4	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
ZD97DV	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
ZFDWKB	PowerPlex® Y Y23	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
ZUWG46	Yfiler®	2	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		



TABLE 2

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

## Item 3 - YSTR Results

EBFTXX	PowerPlex® Y 23	3	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
GB62VR	Yfiler®	3	14	11,14	13	29	23	11	13	13
			14	12	12	19	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		
<b>Item 3e - YSTR Results</b>										
29UTBM	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
2PVUNL	Yfiler® 3e									
3EWJU6	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
4EAAGU	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
4WPQH2	PowerPlex® Y PPY23 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
6UL4UP	PowerPlex® Y 23 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
7FT4AZ	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
8K2NWC	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
8TZ8FV	Yfiler®, Globalfiler (Y indel) 3e									
A3XV3A	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	
<b>Item 3e - YSTR Results</b>									
A3XW6V	Yfiler®								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
A62RNX	Yfiler®								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17	-	-
		-	-	-	23	-	12	-	-
ABAAK6	GlobalFiler								
	3e						11		
								2	
APCJPE	Yfiler®								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
B8R6VM	PowerPlex® Y 23								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17	23	12
		15	16	18	23	10	12		
BRCCX4	Yfiler®								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
C6HHUN	Yfiler®								
	3e								
C78TN2	Yfiler®								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
CMWYW	Yfiler®								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17	-	-
		-	-	-	23	-	12	-	-
D74NLX	PowerPlex® Y 23								
	3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17	23	12
		15	16	18	23	10	12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel	
<b>Item 3e - YSTR Results</b>									
EFLLRU	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
FQ4QCX	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
G2XGEG	Yfiler® 3e								
GVGNRR	Yfiler® 3e	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
		not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
		not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
GZ4FRE	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
H8JJBL	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
HB3VUN	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
HUWCEK	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
JUJ2ZT	PowerPlex® Y 23 3e								
JV47DH	Yfiler® 3e	14	11,14	13	29	23	11	13	13
		14	12	12	19	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		
<b>Item 3e - YSTR Results</b>										
JWE4PE	PowerPlex® Y 23	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
KEX2NK	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
KZUX6B	PowerPlex® Y 23	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
LTNLHD	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
M9LV6J	PowerPlex® Y	3e	14	11,14	13	29	23	11	13	13
			14	12	12					
MGQ8VL	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
MXX2PF	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
NG9FJF	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
NRPZ4C	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
P8FLKN	Yfiler®	3e	14	11,14	13	29	23	11	13	13
			14	12	12	19	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		
<b>Item 3e - YSTR Results</b>										
QCPVU7	PowerPlex® Y Y23 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
TFZWH9	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
TZLJC9	PowerPlex® Y 23 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
U7NVE3	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
U8X7EA	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
UDTUGB	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
UG6YRB	PowerPlex® Y 3e									
UGNPXN	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
VBFNCK	Yfiler® 3e	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
VLW9VG	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

VMAVCB	PowerPlex® Y 3e								
VTVXBZ	Yfiler® 3e	14 14	11,14 12	13 12	29 19 23	23 16	11 17 12	13	13
VX9XAD	Yfiler® 3e	14 14 -	11,14 12 -	13 12 -	29 19 23	23 16 -	11 17 12	13 -	13 -
VY69B8	PowerPlex® Y 23 3e								
VZUK3Z	Yfiler® 3e	14 14	11,14 12	13 12	29 19 23	23 16	11 17 12	13	13
W3J4R6	PowerPlex® Y 23 3e	14 14 15	11,14 12 16	13 12 18	29 19 23	23 16 10	11 17 12	13 23	13 12
XAXBME	PowerPlex® Y Y23 3e	14 14 15	11,14 12 16	13 12 18	29 19 23	23 16 10	11 17 12	13 23	13 12
XHU62Z	PowerPlex® Y 23 3e	14 14 15	11,14 12 16	13 12 18	29 19 23	23 16 10	11 17 12	13 23	13 12
XLRRBF	Yfiler® 3e	14 14	11,14 12	13 12	29 19 23	23 16	11 17 12	13	13
Y8PJ87	Yfiler® 3e	14 14	11,14 12	13 12	29 19 23	23 16	11 17 12	13	13

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	
<b>Item 3e - YSTR Results</b>									
Y939C4	PowerPlex® Y	14	11,14	13	29	23	11	13	13
		14	12	12					
YPNKZ4	Yfiler®	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17		
					23		12		
ZFDWKB	PowerPlex® Y Y23	14	11,14	13	29	23	11	13	13
		14	12	12	19	16	17	23	12
		15	16	18	23	10	12		
ZUWG46	Yfiler®	14	11,14	13	29	23	11	13	13
		14	12	12	19	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		
<b>Item 3sp - YSTR Results</b>										
29UTBM	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
2PVUNL	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
3EWJU6	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
4EAAGU	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
4WPQH2	PowerPlex® Y PPY23 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
6UL4UP	PowerPlex® Y 23 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
7FT4AZ	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
8K2NWC	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
8TZ8FV	Yfiler® , Globalfiler (Y indel) 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12	2		
A3XV3A	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	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		
<b>Item 3sp - YSTR Results</b>										
A3XW6V	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
A62RNX	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	-	-
			-	-	-	23	-	12	-	-
ABAAK6	GlobalFiler	3sp						11		
									2	
APCJPE	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
B8R6VM	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	(11),12	12	19	16	17	23	12
			15	16	18	23	10	12		
BRCCX4	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
C6HHUN	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
C78TN2	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
CMWYW	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	-	-
			-	-	-	23	-	12	-	-
D74NLX	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
<b>Item 3sp - YSTR Results</b>										
EFLLRU	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
FQ4QCX	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
G2XGEG	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
GVGNRR	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	not tested	not tested	
		not tested	not tested	not tested	23	not tested	12	not tested		
GZ4FRE	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
H8JJBL	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
HB3VUN	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
HUWCEK	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
JUJ2ZT	PowerPlex® Y 23 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
JV47DH	Yfiler® 3sp	14	11,14	13	29	23	11	13	13	
		14	12	12	19	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

JWE4PE	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
KEX2NK	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
KZUX6B	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
LTNLHD	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
M9LV6J	PowerPlex® Y	3sp	14	11,14	13	29	23	11	13	13
			14	12	12					
MGQ8VL	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
MXX2PF	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
NG9FJF	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
NRPZ4C	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
P8FLKN	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	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		
<b>Item 3sp - YSTR Results</b>										
QCPVU7	PowerPlex® Y Y23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
TFZWH9	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
TZLJC9	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
U7NVE3	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
U8X7EA	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
UDTUGB	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
UG6YRB	PowerPlex® Y	3sp	14	11,14	13	29	23	11	13	13
			14	12	12					
UGNPXN	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
VBFNCK	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
VLW9VG	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
<b>Item 3sp - YSTR Results</b>										
VMAVCB	PowerPlex® Y	3sp	14	11,14	13	29	23	11	13	13
			14	12	12					
VTVXBZ	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
VX9XAD	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	-	-
			-	-	-	23	-	12	-	-
VY69B8	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
VZUK3Z	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
W3J4R6	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
XAXBME	PowerPlex® Y Y23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			15	16	18	23	10	12		
XHU62Z	PowerPlex® Y 23	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17	23	12
			(14),15	16	18	23	10	12		
XLRRBF	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	16	17		
						23		12		
Y8PJ87	Yfiler®	3sp	14	11,14	13	29	23	11	13	13
			14	12	12	19	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		
<b>Item 3sp - YSTR Results</b>										
Y939C4	PowerPlex® Y	14	11,14	13	29	23	11	13	13	
		14	12	12						
YPNKZ4	Yfiler®	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17			
					23		12			
ZFDWKB	PowerPlex® Y Y23	14	11,14	13	29	23	11	13	13	
		14	12	12	19	16	17	23	12	
		15	16	18	23	10	12			
ZUWG46	Yfiler®	14	11,14	13	29	23	11	13	13	
		14	12	12	19	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		
<b>Item 4 - YSTR Results</b>										
29UTBM	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
2PVUNL	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
3EWJU6	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
4EAAGU	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
4WPQH2	PowerPlex® Y PPY23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
6UL4UP	PowerPlex® Y 23	4	15	12	20	29	15	10	23	12
			13	11	14	18	21	21	12	11
			14	14	17	15,16	15	12		
7FT4AZ	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
8K2NWC	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
8TZ8FV	Yfiler® , Globalfiler (Y indel)	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12	2	
A3XV3A	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		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		
<b>Item 4 - YSTR Results</b>										
A3XW6V	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
A62RNX	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	-	-	
		-	-	-	21	-	12	-	-	
ABAAK6	GlobalFiler	4					10			
								2		
APCJPE	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
B8R6VM	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	(13),14	12			
BRCCX4	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
C6HHUN	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
C78TN2	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17			
					21		12			
CMWYW	Yfiler®	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	-	-	
		-	-	-	21	-	12	-	-	
D74NLX	PowerPlex® Y 23	15	15,16	12	29	21	10	11	14	
		14	11	12	20	15	17	23	13	
		12	18	15	21	14	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

EBFTXX	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
EFLLRU	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
FQ4QCX	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
G2XGEG	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
GB62VR	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
GVGNRR	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	not tested	not tested
			not tested	not tested	not tested	21	not tested	12	not tested	
GZ4FRE	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
H8JJBL	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
HB3VUN	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
HUWCEK	Yfiler® Yfiler	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		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

JUU2ZT	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
JV47DH	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
JWE4PE	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
KEX2NK	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
KZUX6B	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
LTNLHD	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
M9LV6J	PowerPlex® Y	4	15	15,16	12	29	21	10	11	14
			14	11	12					
MGQ8VL	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
MXX2PF	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
NG9FJF	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		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

NRPZ4C	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
P8FLKN	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
QCPVU7	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
TFZWH9	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
TZLJC9	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
U7NYE3	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
U8X7EA	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
UDTUGB	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
UG6YRB	PowerPlex® Y	4	15	15,16	12	29	21	10	11	14
			14	11	12					
UGNPXN	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		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

VBFNCK	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
VLW9VG	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
VMAVCB	PowerPlex® Y	4	15	15,16	12	29	21	10	11	14
			14	11	12					
VTVXBZ	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
VX9XAD	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	-	-
			-	-	-	21	-	12	-	-
VY69B8	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
VZUK3Z	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
W3J4R6	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
XAXBME	PowerPlex® Y Y23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
XHU62Z	PowerPlex® Y 23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	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

XLRRBF	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
Y8PJ87	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
Y939C4	PowerPlex® Y	4	15	15,16	12	29	21	10	11	14
			14	11	12					
YPNKZ4	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		
ZFDWKB	PowerPlex® Y Y23	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17	23	13
			12	18	15	21	14	12		
ZUWG46	Yfiler®	4	15	15,16	12	29	21	10	11	14
			14	11	12	20	15	17		
						21		12		

**Additional DNA Results**

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4
D6S1043	4U6PP2	18,21	12,12		18,19,21	19,19	12,12
	C9GVFR	18,21	12,12		18,19,21	19,19	12,12
	DTENVV	18,21	12,12				
	GB62VR	18,21	12	[18],19,[21]			12
DYS391	6CZMK2	NR	10				
	A3XW6V		10		[11]	11	10
	C78TN2		10		11	11	10
	DYMAJT	NR	10				
	E8CFVQ		10		11	11	10
	FQ4QCX		10		[11]	11	10
	HB3VUN	NR	10		11	11	10
	KEX2NK		10		NR	11	10
	M9LV6J		10		11	11	10
	NG9FJF		10		11	11	10
	P8FLKN		10		[11]	11	10
	QJ7FUW				11	11	10
	UG6YRB		10		11	11	10
	VMAVCB		10		11	11	10
	XLRRBF	NR	10		11	11	10
	Y8PJ87		10		11	11	10
	Z4GQQD		10		11	11	10
ZUWG46		10		11	11	10	
DYS391 (Globalfiler)	3HBWXD	-	10		[11]	11	10
Yindel	E8CFVQ		2		2	2	2
	M9LV6J		2		2	2	2
	UDTUGB		2		2	2	2
	UG6YRB		2		2	2	2
	VMAVCB		2		2	2	2
	Y939C4		2		2	2	2
Y-indel (Globalfiler)	3HBWXD	-	2		[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
29UTBM	Yes	No	No	Yes	4ZN66R	Yes	No	No	Yes
2AMYCY	Yes	No	No	Yes	63UXMW	Yes	No	No	Yes
2PVUNL	Yes	No	No	Yes	69FV9Y	Yes	No	No	Yes
2ZHTHX	Yes	No	No	Yes	6CZMK2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2ZJLG6	Yes	No	No	Yes	6MXMTY	Yes	No	No	Yes
3DWG6Z	Yes	No	No	Yes	6UL4UP	Yes	No	No	Yes
3EWJU6	Yes	No	No	Yes	6YE7W4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3FTR8V	Yes	No	No	Yes	74X2MX	Yes	No	No	Yes
3HBWXD	Yes	No	No	Yes	782JBU	Yes	No	No	Yes
3KGGMY	Yes	No	No	Yes	7FT4AZ	Yes	No	No	Yes
3L8PM2	Yes	No	No	Yes	7QBUQX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3TEAT8	Yes	No	No	Yes	7QCKZL	Yes	No	No	Yes
43DBM3	Yes	No	No	Yes	7RAT97	Yes	No	No	Yes
44AMPX	Yes	No	No	Yes	82UEXZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4EAAGU	Yes	No	No	Yes	8K2NWC	Yes	No	No	Yes
4GTAR4	Yes	No	No	Yes	8K2T6T	No	No	No	Yes
4L9W9U	Yes	No	No	Yes	8K4JFH	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4T7R7T	Yes	No	No	Yes	8TZ8FV	Yes	No	No	Yes
4U6PP2	Yes	No	No	Yes	92NKRZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4VU6QW	Yes	No	No	Yes	9DDNRJ	Yes	No	No	Yes
4WPQH2	Yes	No	No	Yes					



TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
A3XV3A	Yes	No	No	Yes	CXWEN	Yes	No	No	Yes
A3XW6V	Yes	No	No	Yes	CYNPED	No Interpretations Reported, DNA Analyzed for Database purposes only.			
A62RNX	Yes	No	No	Yes	D4F8CP	Yes	No	No	Yes
ABAAK6	Yes	No	No	Yes	D74NLX	Yes	No	No	Yes
AKJANT	Yes	No	No	Yes	DTENWV	Yes	No	No	Yes
APCJPE	Yes	No	No	Yes	DYMAJT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
B2WHTL	Yes	No	No	Yes	E8CFVQ	Yes	No	No	Yes
B7VUTT	Yes	No	No	Yes	E8V4DK	Yes	No	No	Yes
B8R6VM	Yes	No	No	Yes	EBFTXX	Yes	No	No	Yes
BCF28Q	Yes	No	No	Yes	EFLLRU	Yes	No	No	Yes
BJG3WK	Yes	No	No	Yes	EGHXTN	Yes	No	No	Yes
BJG6LP	Yes	No	No	Yes	F7CQ2T	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BR8WMN	Yes	No	No	Yes	FQ4QCX	Yes	No	No	Yes
BRCCX4	Yes	No	No	Yes	FQ6JCR	Yes	No	No	Yes
C6HHUN	Yes	No	No	Yes	G2XGEG	Yes	No	No	Yes
C77VD7	Yes	No	No	Yes	GB62VR	Yes	No	No	Yes
C78TN2	Yes	No	No	Yes	GDUA6T	Yes	No	No	Yes
C9GVFR	Yes	No	No	Yes	GMFHJN	Yes	No	No	Yes
CFELYG	Yes	Inc	No	Yes	GRU74L	Yes	No	No	Yes
CG44NV	No Interpretations Reported, DNA Analyzed for Database purposes only.				GVGNNR	Yes	No	No	Yes
CH4RGT	Yes	No	No	Yes	GZ4FRE	Yes	No	No	Yes
CLGLAJ	Yes	No	No	Yes	GZKRAJ	Yes	No	No	Yes
CMWYVW	Yes	No	No	Yes					

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
H8JJBL	Yes	No	No	Yes	LTNLHD	Yes	No	No	Yes
HB3VUN	Yes	No	No	Yes	LYUCQB	Yes	No	No	Yes
HN8X9Q	No Interpretations Reported, DNA Analyzed for Database purposes only.				LYYJA7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HT2QME	Yes	No	No	Yes	M9LV6J	Yes	No	No	Yes
HUWCEK	Yes	No	No	Yes	MGQ8VL	Yes	No	No	Yes
JKKMZD	Yes	No	No	Yes	MVW3C3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JN6EBF	No Interpretations Reported, DNA Analyzed for Database purposes only.				MW6D4Z	Yes	No	No	Yes
JUU2ZT	Yes	No	No	Yes	MXX2PF	Yes	No	No	Yes
JV47DH	Yes	No	No	Yes	MZ2YV3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JWE4PE	Yes	No	No	Yes	NG9FJF	Yes	No	No	Yes
K69FEF	Yes	No	No	Yes	NRPZ4C	Yes	No	No	Yes
KBTJLH	Yes	No	No	Yes	P76DZ4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KEX2NK	Yes	No	No	Yes	P8FLKN	Yes	No	No	Yes
KGXE6H	Yes	No	No	Yes	PDZKBW	Yes	No	No	Yes
KNLZEP	Yes	No	No	Yes	PEV8R8	Yes	No	No	Yes
KQM337	No Interpretations Reported, DNA Analyzed for Database purposes only.				PHW9WB	Yes	No	No	Yes
KZUX6B	Yes	No	No	Yes	PJTKX6	Yes	No	No	Yes
L23C7P	Yes	No	No	Yes	PY7ZUA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
L3CGGT	Yes	No	No	Yes	QCPVU7	Yes	No	No	Yes
LBTXBN	Yes	No	No	Yes	QJ7FUW	Yes	No	No	Yes
LQKU9C	Yes	No	No	Yes	RC4VYE	Yes	No	No	Yes
LRFFZH	Yes	No	No	Yes	RH9UA6	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
RP94PA	Yes	No	No	Yes	VX9XAD	Yes	No	No	Yes
TDBPZX	No Interpretations Reported, DNA Analyzed for Database purposes only.				VY69B8	Yes	No	No	Yes
TE4KGE	Yes	No	No	Yes	VZUK3Z	Yes	No	No	Yes
TFZWH9	Yes	No	No	Yes	W3J4R6	Yes	No	No	Yes
TMWVQA	Yes	No	No	Yes	WA2NL4	Yes	No	No	Yes
TZLJC9	Yes	No	No	Yes	WF3V8Y	Yes	No	No	Yes
U2TDG8	Yes	No	No	Yes	WLEWC3	Yes	No	No	Yes
U6CDNZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				XAXBME	Yes	No	No	Yes
U7NYE3	Yes	No	No	Yes	XHU62Z	Yes	No	No	Yes
U8X7EA	Yes	No	No	Yes	XLRRBF	Yes	No	No	Yes
U8ZUVM	Yes	No	No	Yes	XPPBBT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UDAYP9	Yes	No	No	Yes	XVZ8F3	Yes	No	No	Yes
UDTUGB	Yes	No	No	Yes	Y8PJ87	Yes	No	No	Yes
UG6YRB					Y939C4	Yes	No	No	Yes
UGNPXN	Yes	No	No	Yes	YFJQQC	Yes	No	No	Yes
UYAD6X	No Interpretations Reported, DNA Analyzed for Database purposes only.				YJFDJZ	Yes	No	No	Yes
V8WQG3	Yes	No	No	Yes	YJFF8J	Yes	No	No	Yes
VBFNCK	Yes	No	No	Yes	YKCNJA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VLW9VG	Yes	No	No	Yes	YPNKZ4	Yes	No	No	Yes
VMAVCB	Yes	No	No	Yes	Z4GQQD	Yes	No	No	Yes
VTVXBZ	Yes	No	No	Yes	Z7QV42	Yes	No	No	Yes
VU8UF6	Yes	No	No	Yes	ZD97DV	Yes	No	No	Yes
					ZFDWKB	Yes	No	No	Yes

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
ZL44BW	Yes	No	No	Yes					
ZRQR73	Yes	No	No	Yes					
ZUWG46	Yes	No	No	Yes					
ZY7LV4	Yes	No	No	Yes					

**Response Summary**

**Participants reporting DNA results: 179**

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

Responses	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4
Yes	<b>154</b>	<b>0</b>	<b>0</b>	<b>155</b>
No	<b>1</b>	<b>154</b>	<b>155</b>	<b>0</b>
Inc	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>

**Participants not reporting Interpretation results: 24**

# Additional Comments

TABLE 5

WebCode	Additional Comments
29UTBM	Y-STR analysis was not performed on Item 1 because no male DNA was detected using Quantifiler Duo.
3EWJU6	1. DNA IQ System with Tecan EVO 150 and chelex extraction was used to extract DNA. 2. Real-Time PCR using the ABI Quantifiler Human DNA Quantification Kit was used to quantify extracted DNA. 4. AmpFISTR Identifiler Plus and Yfiler PCR Kit was used for amplification. 5. Reagent blank, positive control and negative control were carried out along with the analysis. 6. Y-STR only performed on Item 2, Item 3 and Item 4. 7. All samples were performed using electrophoresis by 3130 Genetic Analyzer.
4T7R7T	Minifiler results for suspect concordant.
6CZMK2	NR=No results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.
7FT4AZ	1)In-situ extraction method was used to extract DNA from Item 1 and 2. 2)Chelex extraction method was used to extract DNA from Item 3 and 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 Direct and Plus PCR Amplification Kit. 5) Amplification of Y-STR genetic loci was carried out using the AmpFISTR Y- Filer 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.
7QBUQX	N/A = Not Applicable
82UEXZ	No interpretation reported. Samples analyzed for database purposes only.
A3XW6V	NR=no results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.
A62RNX	1. Item 1 and Item 2 were amplified by using AmpFiSTR Identifiler Direct. 2. Item 3 and Item 4 were extracted by using chelex extraction method. 3. Quantification was carried out by using Quantifiler Human DNA Quantification kit. 4. Item 3 and Item 4 were amplified by using AmpFiSTR Identifiler Plus. 5. AmpFiSTR Yfiler was used for Y-STR analysis except for Item 1. 6. Reagent blank, positive and negative control were also incorporated.
APCJPE	YSTR not performed on Item 1 because no male DNA was detected on quantitation.
BJG6LP	item 3) -Possible additional genetic information may be present
BRCCX4	NR= No Results
C6HHUN	Alleles below threshold were noted in the E fraction of Item 3 and are consistent with the DNA profile obtained from the S fraction of this item.
C78TN2	NR=No Results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.
CG44NV	On the Item 3 page, under the STR section, "No" was accidentally selected for "Did you perform a differential extraction of Item 3?". Item 3 was not processed by analyst.
CMWYWV	1. Item 1 and 2 were extracted by in-situ extraction method. 2. Item 3 and 4 were were[sic] by Chelex extraction method. Quantify using Quantifiler[sic] Human Kit and run via Real Time PCR 7500. 3. Amplification was done using AMPFISTR Identifiler Direct Kit on Item 1 and 2 and AMPFISTR Identifiler Plus Kit on Item 3 and 4. 4. Y-STR was carried out using AMPFISTR Y-Filer Kit on Item 1 to 4. 5. Electrophoresis was carried out using 3130xl Genetic Analyzer. 6. Reagent blank, Positive Control and Negative Control were carried out along with the analysis.
DYMAJT	NR = No Results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.

TABLE 5

WebCode	Additional Comments
FQ4QCX	NR=No Results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion Kit.
GMFHJN	YSTR testing was performed on item 1. A human quant was performed for the reference sample, no male specific quant was performed. Therefore, both references (Item 1 and Item 2) were amplified with Yfiler. Analyst obtained the expected results. Item 4 was inadvertently extracted using a differential extraction even though no semen was indicated in the sample description. Analyst obtained the expected results based on the sample description.
HB3VUN	NR indicates no results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.
HUWCEK	The epithelial cell fraction of my differential extraction (item 3-stain from victim's skirt) contains possible elevated stutter in the Minifiler amplification of locus D13S317. The remainder of the profile, along with the Identifiler[sic] Plus amplification of this sample, appears to be a two-person mixture and shows no indications of additional contributors. However, as this is a mixture profile, it is being treated as it would in casework. The possible elevated stutter allele "13" is being entered as a true allele.
KEX2NK	Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit. NR=No Results.
MW6D4Z	Item 3 Interpretation: * indicates peaks at heights below the reporting threshold
NG9FJF	NR = NO RESULTS. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.
P8FLKN	NR = no results. Data for locus DYS391 on "Additional DNA" page produced using the PowerPlex Fusion kit.
PHW9WB	The profiles obtained from Questioned item 4 and Known item 2 each had a possible unconfirmed (low level) 9.2 allele at locus D8S1179. Further work would be required to confirm this possible allele, however its presence does not affect my interpretation of the full profile obtained from these items or the overall interpretation of these results.
UG6YRB	Additional loci information for locus DYS391 and Y INDEL listed under Part I: DNA Analysis - Additional DNA are from the GlobalFiler multiplex results.
VBFNCK	As per lab procedure, female references samples are not analyzed with Yfiler.
VMAVCB	Items 3 & 4 also analysed using SGMPlus and the results obtained were consistent with those obtained via GlobalFiler.
XAXBME	1.The victim (Item 1) and an unknown male are not excluded as the source of the cells mixture in the epithelial fraction of the blood and semen mixture stain in the victim's skirt (Item 3). 2. An unknown male is not excluded as the source of the cells in the spermatic fraction of the blood and semen mixture stain in the victim's skirt (Item 3). 3. The suspect (Item 2) is excluded as the source of the cells mixture in the epithelial and spermatic fractions of the blood and semen mixture stain in the victim's skirt (Item 3). 4. The suspect (Item 2) is not excluded as the source of the blood stain in the suspect's shirt (Item 4).
XLRRBF	NR indicates no results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.
XPPBBT	[From table 2 - YSTR Results, Item 1: "no profile female sample".]
Y8PJ87	1)NR: No Results. 2)Data for locus DYS391 on Additional DNA page was produced using the PowerPlex Fusion kit.
ZUWG46	NR- no results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit.

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

\*\*\*\*\*

## Test No. 15-582: DNA-Semen

DATA MUST BE RECEIVED BY May 4, 2015 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### Accreditation Release Statement

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

This participant's data is intended for submission to ASCLD/LAB and/or ANAB.  
(Accreditation Release section on the last page must be completed and submitted.)

This participant's data is NOT intended for submission to ASCLD/LAB or ANAB.

#### Scenario:

Police are investigating the alleged sexual assault of a female college student. The victim reported the incident the same day and provided a detailed description that led investigators to a male suspect. Screening has been performed on both samples with the following results: Item 3 (victim's skirt) is positive for both blood and semen and Item 4 (suspect'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 S2):

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 skirt.  
(beige and green patterned material)

Item 4: Questioned blood stain from the suspect's shirt. (dark blue material)

### **\*\*Please note the following Significant Changes to the Data Sheet\*\***

Due to the growing use of GlobalFiler™, Powerplex® Fusion and Powerplex® Y23, the Data Sheet has been updated to include the loci represented by these new amplification kits. In addition, the data sheet was redesigned to gather all the information for a single item on one page, including capturing the amplification kit used for the analysis for each Item. As always, the paper version of our data sheet displays loci in alpha-numeric order. To re-order the loci to match your amplification kit, please utilize our online data entry at [www.CTS-Portal.com](http://www.CTS-Portal.com).

#### Online Data Entry

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

**Please return all pages of this data sheet.**

Page 1 of 8

Participant Code:  
WebCode:

**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).

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

**\*\*Please note Data Sheet Changes\*\***

As a reminder, the data sheet has been updated to include loci from the following amplification kits: GlobalFiler™, Powerplex® Fusion and Powerplex® Y23. If a locus is not listed on one of the following four pages of this data sheet, use the "Additional DNA Results" table below to report those results.

**Additional DNA Results**

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

	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
_____	<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.**



Participant Code:  
WebCode:

**Part I (continued): DNA Results for Known Item1**

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

COfiler®/Profiler Plus® \_\_\_\_\_  PowerPlex® \_\_\_\_\_

Identifiler® \_\_\_\_\_  Other \_\_\_\_\_

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

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

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

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

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

Yfiler® \_\_\_\_\_  PowerPlex® Y \_\_\_\_\_

Other \_\_\_\_\_

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

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

<b>ITEM</b>	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
<b>1</b>	<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.**

Participant Code:  
WebCode:

**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 \_\_\_\_\_

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

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

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

<b>ITEM</b>	Penta D	Penta E	SE33	TH01	TPOX	vWA
<b>2</b>	<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** 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 \_\_\_\_\_

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

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

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

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Participant Code:  
WebCode:

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

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

COfiler®/Profiler Plus® \_\_\_\_\_  PowerPlex® \_\_\_\_\_

Identifiler® \_\_\_\_\_  Other \_\_\_\_\_

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

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

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

<b>ITEM</b>	Penta D	Penta E	SE33	TH01	TPOX	vWA
<b>3</b>	<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.).

Yfiler® \_\_\_\_\_  PowerPlex® Y \_\_\_\_\_

Other \_\_\_\_\_

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

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

<b>ITEM</b>	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
<b>3</b>	<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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Participant Code:  
WebCode:

**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 _____

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

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

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

<b>ITEM</b>	<b>Penta D</b>	<b>Penta E</b>	<b>SE33</b>	<b>TH01</b>	<b>TPOX</b>	<b>vWA</b>
<b>4</b>	<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** 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 _____	

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

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

<b>ITEM</b>	<b>DYS549</b>	<b>DYS570</b>	<b>DYS576</b>	<b>DYS635</b>	<b>DYS643</b>	<b>Y GATA H4</b>	<b>Y Indel</b>
<b>4</b>	<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.**

Participant Code:  
WebCode:

**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>			
	<b>Item 3</b>	<b>Item 4</b>		<b>Item 3</b>	<b>Item 4</b>
<b>Yes</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Yes</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>No</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>No</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Inconclusive</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Inconclusive</b>	<input type="checkbox"/>	<input type="checkbox"/>

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

**Part III: ADDITIONAL COMMENTS**

Comments regarding any part of this Forensic Biology Test.

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

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

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

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<p><b>Return Instructions:</b> Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>May 04, 2015</i> to be included in the report.</p> <p>QUESTIONS?          TEL: +1-571-434-1925 (8 am - 4:30 pm EST)          EMAIL: forensics@cts-interlab.com          www.ctsforensics.com</p>	<p>Participant Code:</p>
	<p>ONLINE DATA ENTRY: <a href="http://www.cts-portal.com">www.cts-portal.com</a>          FAX: +1-571-434-1937          or Toll-Free: 1-866-FAX-2CTS (329-2287)          MAIL: Collaborative Testing Services, Inc.          P.O. Box 650820          Sterling, VA 20165-0820 USA</p>

**Please return all pages of this data sheet.**

Collaborative Testing Services ~ Forensic Testing Program

**RELEASE OF DATA TO ACCREDITATION BODIES**

The following Accreditation Releases will apply only to:

Participant Code: \_\_\_\_\_ WebCode: \_\_\_\_\_  
 for Test No. **15-582: DNA-Semen**

This release page must be completed and received by **May 4, 2015** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

**ASCLD/LAB RELEASE**

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following. **The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.**

ASCLD/LAB Legacy Certificate No. \_\_\_\_\_ ASCLD/LAB International Certificate No. \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Laboratory Name \_\_\_\_\_  
 Location (City/State) \_\_\_\_\_

**ANAB RELEASE**

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

ANAB Certificate No. \_\_\_\_\_  
 Signature and Title \_\_\_\_\_ Date \_\_\_\_\_  
 Laboratory Name \_\_\_\_\_  
 Location (City/State) \_\_\_\_\_

**Accreditation Release**

**Return Instructions**

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

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

**Please return all pages of this data sheet.**

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