



## **DNA - Mixture Test No. 14-586 Summary Report**

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This proficiency test was sent to 160 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 142 participants (89% 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, yellow and green patterned material (Item 3) and one on clean, pale yellow material (Item 4). Participants were requested to analyze these items using their existing protocols.

**SAMPLE PREPARATION:** The stains in Items 1, 2 and 4 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 3 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196° C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 3 substrate. Item 1 (75 µl) was blood collected from a female donor and Item 2 (75 µl) was blood collected from a male donor. Item 4 was a mixture of blood from the Item 1 female donor and blood from the Item 2 male donor. Item 3 (50 µl) was a mixture containing blood from the Item 1 female donor and semen from the Item 2 male donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 14, 2014 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	12,15.3 13,14 12,16 12,12	19,24 13,13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
2	15,17.3 12,14 14,15 11,11	17,19 13,13 28,30 7,12	11,11 18,23 11,16 16,18	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
3-Blood	12,15.3 13,14 12,16 12,12	19,24 13,13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
3-Semen	15,17.3 12,14 14,15 11,11	17,19 13,13 28,30 7,12	11,11 18,23 11,16 16,18	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13,13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19

## 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	14 15 12	11,14 12 17	12 12 19	28 19 23	24 17 10	11 17 12	13 21 *	13 12
3-Semen	14 15 12	11,14 12 17	12 12 19	28 19 23	24 17 10	11 17 12	13 21 *	13 12
4	14 15 12	11,14 12 17	12 12 19	28 19 23	24 17 10	11 17 12	13 21 *	13 12

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

## **Summary Comments**

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

Of the 142 responding, 135 participants reported DNA interpretations. There were 129 participants that included the victim (Item 1) as a possible contributor to the Item 3 blood mixture and three that excluded the victim (Item 1). There were 131 participants that included the suspect (Item 2) as a possible contributor to the Item 3 blood mixture and one that excluded the suspect (Item 2). All participants included the victim (Item 1) and the suspect (Item 2) as possible contributors to the Item 3 mixture.

Ten participants reported allelic results that differed from the consensus/predistribution results. Of this ten, six were missing alleles at one or more loci. Two reported inconsistent alleles at a locus. One participant reported an additional allele at one locus and one reported inconsistent alleles at some loci and was missing alleles at other 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</b>							
27E4MX	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
28NBLK	<i>Identifiler Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
29JUP8	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
2FLZ8V	<i>Identifiler® Plus, PowerPlex® ESX 17</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
				17,20	7,9.3	8,8	14,15
2RX982	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
32FAZG	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
3GCNZA	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
3UXXP2	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
436V9X	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
4ZGLYW	<i>Identifiler® Plus, PowerPlex® HS</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
637CK2	<i>PowerPlex® PP16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
68EZB6	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
69ANRE	<i>Globalfiler</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
				17,20	7,9.3	8,8	14,15
69ED66	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
6ALTEW	<i>Identifiler® Direct</i>						
	1	-	19,24	-	16,17	11,13	8,11
		13,14	-	-	12,13	12	12,15
		12,16	28,29	-	X,X	11,13	19,26
		-	-	-	7,9.3	8	14,15
6CB2LC	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
6D4F3W	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
6PDT4B	<i>PowerPlex® 16</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
6PGCQE	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
6UCAU7	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
7F88F9	<i>COfiler® and Profiler Plus®, PowerPlex® HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
7ZBTFE	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
83HVV7	<i>Identifiler® Plus, PowerPlex® HS, CS7, ES1, ESX</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13	18,19	12,13	12	12,15
		12,16	28,29	15,16	X	11,13	19,26
		12	11,12	17,20	7,9.3	8	14,15
87WTZ8	<i>COfiler® and Profiler Plus®</i>						
	1				16,17	11,13	8,11
		13,14			12,13		12,15
			28,29		X,X		19,26
							14,15
8X6MGY	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
98LJLC	<i>PowerPlex® 21 Direct</i>						
	1	-	19,24	-	16,17	11,13	8,11
		13,14	-	-	12,13	12,12	12,15
		12,16	28,29	-	X,X	11,13	19,26
		12,12	11,12	-	7,9.3	8,8	14,15
9GQ279	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
9KTYG2	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
9MJ6YC	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
A2DGZ9	<i>PowerPlex® PowerPlex 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
A6UCPY	<i>PowerPlex® PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
AGK7Y8	<i>PowerPlex® 21</i>						
	1	12,15.3	19,24		16,17	11,13	8,11
		13,14		18,19	12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
AN64R2	<i>NGM SElect</i>						
	1	12,15.3	19,24	10,11	16,17		
		13,14	13,13	18,19		12,12	12,15
		12,16	28,29	15,16	X,X		19,26
				17,20	7,9.3		14,15
B6QE8V	<i>Profiler® Plus</i>						
	1				16,17	11,13	8,11
		13,14			12,13		12,15
			28,29		X,X		19,26
							14,15
BAJBGZ	<i>Investigator ESS Plex Plus</i>						
	1	12,15.3	19,24	10,11	16,17		
		13,14	13,13	18,19		12,12	12,15
		12,16	28,29	15,16	X,X		19,26
					7,9.3		14,15
BFQFTT	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8	14,15



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
BUREE6	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
BXB236	<i>Identifiler® Identifiler Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
CGYCC3	<i>PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
CPBYFJ	<i>Identifiler Plus, NGM-Select</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
				17,20	7,9.3	8,8	14,15
CU6UZ4	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
CY2JJW	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
CZW6B3	<i>NGM SElect</i>						
	1	12,15.3	19,24	10,11	16,17		
		13,14	13,13	18,19		12,12	12,15
		12,16	28,29	15,16	X,X		19,26
				17,20	7,9.3		14,15
D6LYMU	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
DBVZ9X	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
DEA34M	PowerPlex® 16 HS						
	1				16,17	11,13	8,11
	13,14				12,13	12	12,15
			28,29		X	11,13	19,26
	12		11,12		7,9.3	8	14,15
DT6MG4	Profiler® Plus						
	1				16,17	11,13	8,11
	13,14				12,13		12,15
			28,29		X,X		19,26
							14,15
DXJR9Q	PowerPlex® Fusion, AmpFLSTR NGM Seelect						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
		12,12	11,12	17,20	7,9.3	8,8	14,15
E3TX7P	PowerPlex® 16						
	1				16,17	11,13	8,11
	13,14				12,13	12,12	12,15
			28,29		X,X	11,13	19,26
	12,12		11,12		7,9.3	8,8	14,15
E92T4R	Profiler® Plus						
	1				16,17	11,13	8,11
	13,14				12,13		12,15
			28,29		X,X		19,26
							14,15
EAVEUW	Identifiler®						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15
EB8L6X	Identifiler®						
	1		19,24		16,17	11,13	8,11
					12,13	12,12	12,15
			28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
EGEH2Z	COfiler® and Profiler Plus®						
	1				16,17	11,13	8,11
					12,13		12,15
			28,29		X,X		19,26
							14,15
EW6MAT	Identifiler® Direct						
	1		19,24		16,17	11,13	8,11
					12,13	12,12	12,15
			28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
EXHRR4	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
F2ABAT	<i>PowerPlex® PowePLex16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
F4ZHR6	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
FEMDVQ	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
FJCL7R	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
FLJ332	<i>PowerPlex® 16</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
FRMCHM	<i>Identifiler® Plus</i>						
	1	-	19,24	-	16,17	11,13	8,11
		13,14	-	-	12,13	12	12,15
		12,16	28,29	-	X	11,13	19,26
		-	-	-	7,9.3	8	14,15
FTZEF3	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
G2QR3Z	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
G7JJ3P	<i>Identifiler® +</i>						
	1	- 13,14 12,16 -	19,24 - 28,29 -	- - - -	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
G8JRHG	<i>ES17</i>						
	1	12,15.3 13,14 12,16	19,24 13,13 28,29	10,11 18,19 15,16 17,20	16,17  X,X 7,9.3	12,12	12,15 19,26 14,15
GPH97Q	<i>Identifiler® Plus</i>						
	1	 13,14 12,16	19,24  28,29	   	16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
GU7QK3	<i>Identifiler® Plus</i>						
	1	 13,14 12,16	19,24  28,29	   	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
GZJ3RJ	<i>Identifiler® Plus, PowerPlex® CS7, NGM SElect</i>						
	1	12,15.3 13,14 12,16 12,12	19,24 13,13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
H8DWCF	<i>Identifiler® Plus</i>						
	1	 13,14 12,16	19,24  28,29	   	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
HMMQ36	<i>Identifiler®</i>						
	1	 13,14 12,16	19,24  28,29	   	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
J7EBXF	<i>Identifiler® Plus, PowerPlex® 16 HS, ESX 17</i>						
	1	12,15.3 13,14 12,16 12	19,24 13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
JHRF8W	<i>PowerPlex® 16</i>						
	1	 13,14  12	28,29  11,12	   	16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
JLQUR2	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
JQ7RDP	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
JQHWWL	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
JRVXV2	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8	14,15
KKRCJR	<i>Identifiler®</i>						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15
KLML2T	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
KZ7ADC	<i>Identifiler® IDENTIFILER DIRECT, PowerPlex® ESX17</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
				17,20	7,9.3	8,8	14,15
L4K4QN	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
L6WC8H	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
L7NYAQ	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
L82YKM	<i>NGM</i>						
	1	12,15.3	19,24	10,11	16,17		
		13,14	13	18,19		12	12,15
		12,16	28,29	15,16	X		19,26
					7,9.3		14,15
LD8REH	<i>PowerPlex® Fusion System, NGMSe</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
		12,12	11,12	17,20	7,9.3	8,8	14,15
LMBH6D	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8	14,15
LNR4TG	<i>Qiagen Investigator IDplex Plus Kit</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
LNU7PT	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
LPZRDT	<i>PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
LYMALE	<i>Globalfiler</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
				17,20	7,9.3	8,8	14,15
M6AVDE	<i>PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
M8H8VF	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
MNJGQT							
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
MTF7AL	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
N8AMKH	<i>PowerPlex® 16</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
N9NPUB	<i>Identifiler Direct</i>						
	1	-	19,24	-	16,17	11,13	8,11
		13,14	-	-	12,13	12	12,15
		12,16	28,29	-	X,X	11,13	19,26
		-	-	-	7,9.3	8	14,15
NC7JLP	<i>Identifiler® , PowerPlex®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
NDFQLW	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
NKZGWB	<i>Identifiler® Plus, PowerPlex® 16 HS, ESI 17</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13	18,19	12,13	12	12,15
		12,16	28,29	15,16	X	11,13	19,26
		12	11,12	17,20	7,9.3	8	14,15
NRJHEA	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
NU4YLF	<i>Identifiler Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
NU9QMP	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
P7C6AM	<i>Identifiler®</i>						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15
PRBZRU	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
PT7JVG	<i>PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
Q8N2GD	<i>Identifiler Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
QDEBPQ	<i>Profiler® Plus</i>						
	1				16,17	11,13	8,11
		13,14			12,13		12,15
			28,29		X,X		19,26
							14,15
QLP6QQ	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
QLPRXB	<i>PowerPlex® Fusion, AmpFISTR NGM</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13	18,19	12,13	12	12,15
		12,16	28,29	15,16	X	11,13	19,26
		12	11,12		7,9.3	8	14,15



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
QWM64V	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
QYP4EM	<i>Identifiler®</i>						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15
R2YD7K	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
T78NPL	<i>PowerPlex® ESI 17 Fast System</i>						
	1	12,15.3	19,24	10,11	16,17		
		13,14	13,13	18,19		12,12	12,15
		12,16	28,29	15,16	X,X		19,26
				17,20	7,9.3		14,15
TA4AGN	<i>Identifiler® Plus, PowerPlex® 16 HS</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
TJUVMM	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
TNMMJ3	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
TQCWQJ	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
UJQQKJ	<i>Identifiler®</i>						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
UX6NE3	<i>PowerPlex® ESI 17 Pro, AmpFISTR NGM Select</i>						
	1	12,15.3 13,14 12,16	19,24 13 28,29	10,11 18,19 15,16 17,20	16,17  X,X 7,9.3	12	12,15 19,26 14,15
V94GK9	<i>PowerPlex® 16</i>						
	1	13,14 12,12	28,29 11,12		16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
VH72M2	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	1	12,15.3 13,14 12,16	19,24 13,13 28,29	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
VLQQ8E	<i>Identifiler® Plus</i>						
	1	13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
VTCL9H	<i>Identifiler® Direct</i>						
	1	13,14 12,16	19,24 28,29		16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
W8LRY8	<i>Identifiler® Plus</i>						
	1	13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
WBLPXL	<i>Identifiler® Direct</i>						
	1	13,14 12,16	19,24 28,29		16,17 12,13 X,X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
WFHEJY	<i>NGM Select</i>						
	1	12,15.3 13,14 12,16	19,24 13,13 28,29	10,11 18,19 15,16 17,20	16,17  X,X 7,9.3	12,12	12,15 19,26 14,15
WTQZ6D	<i>PowerPlex® Fusion, PowerPlex®ESX17</i>						
	1	12,15.3 13,14 12,16 12,12	19,24 13,13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
WU38EE	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
X7PVP4	<i>Identifiler Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8	14,15
XJWAWC	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8	14,15
XPZQGB	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
YAHE48	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
YBVECH	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
YQAMD L	<i>Identifiler® Direct</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
Z2QQYC	<i>Identifiler®</i>						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15
Z94DVE	<i>Identifiler®</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 1</b>							
Z9MWZK	<i>Identifiler® Plus</i>						
	1		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
ZAGC6A	<i>PowerPlex® FUSION, PowerPlex® ESX 17</i>						
	1	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
		12,12	11,12	17,20	7,9.3	8,8	14,15
ZMPMJ6	<i>PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	19,26
		12,12	11,12		7,9.3	8,8	14,15
ZQPVPZ	<i>PowerPlex® 16 HS</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
ZTE6XF	<i>PowerPlex® 16</i>						
	1				16,17	11,13	8,11
		13,14			12,13	12	12,15
			28,29		X	11,13	19,26
		12	11,12		7,9.3	8	14,15
ZUQAP7	<i>Profiler® Plus</i>						
	1				16,17	11,13	8,11
		13,14			12,13		12,15
			28,29		X,X		19,26
							14,15
ZVKVFC	<i>Identifiler®</i>						
	1	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
27E4MX	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
28NBLK	<i>Identifiler Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
29JUP8	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
2FLZ8V	<i>Identifiler® Plus, PowerPlex® ESX 17</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
				16,18	6,8	8,11	17,19
2RX982	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
32FAZG	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
3GCNZA	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
3UXXP2	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
436V9X	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

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

4ZGLYW	<i>Identifiler® Plus, PowerPlex® HS</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
637CK2	<i>PowerPlex® PP16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
68EZB6	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
69ANRE	<i>Globalfiler</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
			16,18	6,8	8,11	17,19	
69ED66	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
6ALTEW	<i>Identifiler® Direct</i>						
	2	-	17,19	-	14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16
		14,15	28,30	-	X,Y	10,12	18,23
		-	-	6,8	8,11	17,19	
6CB2LC	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
6D4F3W	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
6PDT4B	<i>PowerPlex® 16</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
6PGCQE	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
6UCAU7	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
7F88F9	<i>COfiler® and Profiler Plus®, PowerPlex® HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
7ZBTFE	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
83HVV7	<i>Identifiler® Plus, PowerPlex® HS, CS7, ESX, ESI</i>						
	2	15,17.3	17,19	11	14,17	11,12	7,9
		12,14	13	18,23	9,11	9,10	16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11	7,12	16,18	6,8	8,11	17,19
87WTZ8	<i>COfiler® and Profiler Plus®</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
8X6MGY	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
98LJLC	<i>PowerPlex® 21 Direct</i>						
	2	-	17,19	-	14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16,16
		14,15	28,30	-	X,Y	10,12	18,23
		11,11	7,12	-	6,8	8,11	17,19
9GQ279	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
9KTYG2	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
9MJ6YC	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
A2DGZ9	<i>PowerPlex® PowerPlex 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
A6UCPY	<i>PowerPlex® PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
AGK7Y8	<i>PowerPlex® 21</i>						
	2	15,17.3	17,19		14,17	11,12	7,9
		12,14		18,23	9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
AN64R2	<i>NGM SElect</i>						
	2	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
B6QE8V	<i>Profiler® Plus</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
BAJBGZ	<i>Investigator ESS Plex Plus</i>						
	2	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
					6,8		17,19
BFQFTT	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
BUREE6	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
BXB236	<i>Identifiler® Identifiler Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
CGYCC3	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
CPBYFJ	<i>Identifiler Plus, NGM Select</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
				16,18	6,8	8,11	17,19
CU6UZ4	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
CY2JJW	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
CZW6B3	<i>NGM Select</i>						
	2	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
D6LYMU	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
DBVZ9X	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

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

DEA34M	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
DT6MG4	<i>Profiler® Plus</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
DXJR9Q	<i>PowerPlex® Fusion, AmpFLR NGM Select</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11,11	7,12	16,18	6,8	8,11	17,19
E3TX7P	<i>PowerPlex® 16</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
E92T4R	<i>Profiler® Plus</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
EAVEUW	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
EB8L6X	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
EGEH2Z	<i>COfiler® and Profiler Plus®</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
EW6MAT	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
EXHRR4	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
F2ABAT	<i>PowerPlex® PowerPlex®16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
F4ZHR6	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
FEMDVQ	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
FJCL7R	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
FLJ332	<i>PowerPlex® 16</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
FRMCHM	<i>Identifiler® Plus</i>						
	2	-	17,19	-	14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16
		14,15	28,30	-	X,Y	10,12	18,23
		-	-	-	6,8	8,11	17,19
FTZEF3	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
G2QR3Z	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

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

G7JJ3P	<i>Identifiler® +</i>	2	-	17,19	-	14,17	11,12	7,9
			12,14	-	-	9,11	9,10	16,16
			14,15	28,30	-	X,Y	10,12	18,23
			-	-	-	6,8	8,11	17,19
G8JRHG	<i>ES17</i>	2	15,17.3	17,19	11,11	14,17		
			12,14	13,13	18,23		9,10	16,16
			14,15	28,30	11,16	X,Y		18,23
					16,18	6,8		17,19
GPH97Q	<i>Identifiler® Plus</i>	2		17,19		14,17	11,12	7,9
			12,14			9,11	9,10	16
			14,15	28,30		X,Y	10,12	18,23
						6,8	8,11	17,19
GU7QK3	<i>Identifiler® Plus</i>	2		17,19		14,17	11,12	7,9
			12,14			9,11	9,10	16,16
			14,15	28,30		X,Y	10,12	18,23
						6,8	8,11	17,19
GZJ3RJ	<i>Identifiler® Plus, PowerPlex® CS7, NGM SElect</i>	2	15,17.3	17,19	11,11	14,17	11,12	7,9
			12,14	13,13	18,23	9,11	9,10	16,16
			14,15	28,30	11,16	X,Y	10,12	18,23
			11,11	7,12	16,18	6,8	8,11	17,19
H8DWCF	<i>Identifiler® Plus</i>	2		17,19		14,17	11,12	7,9
			12,14			9,11	9,10	16,16
			14,15	28,30		X,Y	10,12	18,23
						6,8	8,11	17,19
HMMQ36	<i>Identifiler®</i>	2		17,19		14,17	11,12	7,9
			12,14			9,11	9,10	16,16
			14,15	28,30		X,Y	10,12	18,23
						6,8	8,11	17,19
J7EBXF	<i>Identifiler® Plus, PowerPlex® 16 HS, ESX 17</i>	2	15,17.3	17,19	11	14,17	11,12	7,9
			12,14	13	18,23	9,11	9,10	16
			14,15	28,30	11,16	X,Y	10,12	18,23
			11	7,12	16,18	6,8	8,11	17,19
JHRF8W	<i>PowerPlex® 16</i>	2				14,17	11,12	7,9
			12,14			9,11	9,10	16
				28,30		X,Y	10,12	18,23
			11	7,12		6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
JLQUR2	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
JQ7RDP	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
JQHWWL	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
JRVXV2	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
KKRCJR	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
KLML2T	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
KZ7ADC	<i>Identifiler® IDENTIFILER DIRECT, PowerPlex® ESX17</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
				16,18	6,8	8,11	17,19
L4K4QN	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
L6WC8H	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
L7NYAQ	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
L82YKM	<i>NGM</i>						
	2	15,17.3	17,19	11	14,17		
		12,14	13	18,23		9,10	16
		14,15	28,30	11,16	X,Y		18,23
					6,8		17,19
LD8REH	<i>PowerPlex® Fusion System, ESI 17 Promega</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11,11	7,12	16,18	6,8	8,11	17,19
LMBH6D	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
LNR4TG	<i>Qiagen Investigator IDplex Plus Kit</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
LNU7PT	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
LPZRDT	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
LYMALE	<i>Globalfiler</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
				16,18	6,8	8,11	17,19
M6AVDE	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
M8H8VF	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
MNJGQT							
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
MTF7AL	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
N8AMKH	<i>PowerPlex® 16</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
N9NPUB	<i>Identifiler Direct</i>						
	2	-	17,19	-	14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16
		14,15	28,30	-	X,Y	10,12	18,23
		-	-	-	6,8	8,11	17,19
NC7JLP	<i>Identifiler® , PowerPlex®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
NDFQLW	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
NKZGWB	<i>Identifiler® Plus, PowerPlex® 16 HS, ESI 17</i>						
	2	15,17.3	17,19	11	14,17	11,12	7,9
		12,14	13	18,23	9,11	9,10	16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11	7,12	16,18	6,8	8,11	17,19
NRJHEA	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
NU4YLF	<i>Identifiler Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
NU9QMP	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
P7C6AM	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
PRBZRU	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
PT7JVG	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
Q8N2GD	<i>Identifiler Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
QDEBPQ	<i>Profiler® Plus</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
QLP6QQ	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
QLPRXB	<i>PowerPlex® Fusion, AmpFISTR NGM</i>						
	2	15,17.3	17,19	11	14,17	11,12	7,9
		12,14	13	18,23	9,11	9,10	16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
QWM64V	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
QYP4EM	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
R2YD7K	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
T78NPL	<i>PowerPlex® ESI 17 Fast System</i>						
	2	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
TA4AGN	<i>Identifiler® Plus, PowerPlex® 16 HS</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
TJUVMM	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
TNMMJ3	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
TQCWQJ	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
UJQQKJ	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 2</b>							
UX6NE3	<i>PowerPlex® ESI 17 Pro, AmpFISTR NGM Select</i>						
	2	15,17.3 12,14 14,15	17,19 13 28,30	11 18,23 11,16 16,18	14,17  X,Y 6,8	9,10	16 18,23 17,19
V94GK9	<i>PowerPlex® 16</i>						
	2	12,14  11,11	28,30 7,12		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
VH72M2	<i>Identifiler® Direct, PowerPlex® ESX17</i>						
	2	15,17.3 12,14 14,15	17,19 13,13 28,30	11,11 18,23 11,16 16,18	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
VLQQ8E	<i>Identifiler® Plus</i>						
	2	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16 18,23 17,19
VTCL9H	<i>Identifiler® Direct</i>						
	2	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
W8LRY8	<i>Identifiler® Plus</i>						
	2	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16 18,23 17,19
WBLPXL	<i>Identifiler® Direct</i>						
	2	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16 18,23 17,19
WFHEJY	<i>NGM Select</i>						
	2	15,17.3 12,14 14,15	17,19 13,13 28,30	11,11 18,23 11,16 16,18	14,17  X,Y 6,8	9,10	16,16 18,23 17,19
WTQZ6D	<i>PowerPlex® Fusion, PowerPlex® ESX17</i>						
	2	15,17.3 12,14 14,15 11,11	17,19 13,13 28,30 7,12	11,11 18,23 11,16 16,18	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19

TABLE 1

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

WU38EE	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
X7PVP4	<i>Identifiler Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
XJWAWC	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
XPZQGB	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
YAHE48	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
YBVECH	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
YQAMD L	<i>Identifiler® Direct</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
Z2QQYC	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	6,8	8,11	17,19	
Z94DVE	<i>Identifiler®</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	

TABLE 1

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

Z9MWZK	<i>Identifiler® Plus</i>						
	2		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
ZAGC6A	<i>PowerPlex® FUSION, PowerPlex® ESX 17</i>						
	2	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11,11	7,12	16,18	6,8	8,11	17,19
ZMPMJ6	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,[8]	8,11	17,19
ZQPVPZ	<i>PowerPlex® 16 HS</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
ZTE6XF	<i>PowerPlex® 16</i>						
	2				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
ZUQAP7	<i>Profiler® Plus</i>						
	2				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
ZVKVFC	<i>Identifiler®</i>						
	2	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3</b>							
4ZGLYW	<i>Identifiler® Plus</i>						
	3	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
68EZB6	<i>Identifiler®</i>						
	3	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
6UCAU7	<i>Identifiler® Plus</i>						
	3	17,19,24			[14],16,17	11,12,13	7,8,9,11
		12,13,14			[9],[11],12,13	[9],[10],12	12,15,16
		12,[14],15,16	28,29,[30]		X,[Y]	[10],11,[12],13	[18],19,[23],26
					6,7,8,9.3	8,[11]	14,15,17,19
A2DGZ9	<i>Identifiler® Identifiler Plus</i>						
	3	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
B6QE8V	<i>Profiler® Plus</i>						
	3				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
BXB236	<i>Identifiler® Identifiler Plus</i>						
	3	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
CPBYFJ	<i>Identifiler Plus, NGM Select</i>						
	3	12,[15],15.3,[17.3]	[17],19,24	10,11	[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14	13,13	18,19,[23]	[9],[11],12,13	[9],[10],12	12,15,[16]
		12,[14],[15],16	28,29,[30]	[11],15,16	X,[Y]	[10],11,[12],13	[18],19,[23],26
				[16],17,[18],20	[6],7,[8],9.3	8,[11]	14,15,[17],[19]
CU6UZ4	<i>Identifiler Plus</i>						
	3	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
DXJR9Q	<i>PowerPlex® Fusion, AmpFLR NGM Select</i>						
	3	12,15,15.3,17.3	17,19,24	10,11	14,16,17	11,12,13	7,8,9,11
		12,13,14	13	18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12	16,17,18,20	6,7,8,9.3	8,11	14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3</b>							
E92T4R	<i>Profiler® Plus</i>						
	3				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
LD8REH	<i>PowerPlex® Fusion System, NGMSe</i>						
	3	12,15,15.3,17.3	17,19,24	10,11	14,16,17	11,12,13	7,8,9,11
		12,13,14	13	18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12	16,17,18,20	6,7,8,9.3	8,11	14,15,17,19
LNR4TG	<i>Qiagen Investigator IDplex Plus Kit</i>						
	3		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
LYMALE	<i>GlobalFiler</i>						
	3	12,15.3,[17.3]	[17],19,24	10,11	16,17	11,[12],13	[7],8,11
		[12],13,14	13,13	18,19	[11],12,13	12,12	12,15,[16]
		12,[14],16	28,29	15,16	X,X	11,13	[18],19,[23],26
				[16],17,20	[6],7,[8],9.3	8,8	14,15
M6AVDE	<i>Identifiler® Plus</i>						
	3		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
MNJGQT							
	3		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
Q8N2GD	<i>Identifiler Plus</i>						
	3		17,19,19,24		14,16,17,17	11,11,12,13	7,8,9,11
		12,13,14,14			9,11,12,13	9,10,12,12	12,15,16,16
		12,14,15,16	28,28,29,30		X,X,X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,8,11	14,15,17,19
QDEBPQ	<i>Profiler® Plus</i>						
	3				16,17	11,13	8,11
		13,14			12,13		12,15
			28,29		X,X		19,26
							14,15
TA4AGN	<i>Identifiler® Plus</i>						
	3		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19

TABLE 1

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

ZQPVPZ	<i>Identifiler® Plus</i>						
	3		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
ZUQAP7	<i>Profiler® Plus</i>						
	3				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
27E4MX	<i>Identifiler® Plus</i>						
	3e	(12),13,14 12,(14),16	(17),19,24 28,29,(30)		(14),16,17 (9),(11),12,13 X,X,(Y) (6),7,(8),9.3	11,13 (9),(10),12,12 (10),11,13 8,8	8,(9),11 12,15,(16) 19,(23),26 14,15,(17)
28NBLK	<i>Identifiler Plus</i>						
	3e	13,14 12,16	[17],19,24 28,29		16,17 [9],12,13 X,X 7,9.3	11,13 [10],12,12 11,13 8,8	8,11 12,15 19,26 14,15
29JUP8	<i>Identifiler® Plus</i>						
	3e	12,13,14 12,16	19,24 28,29		14,16,17 9,12,13 X 7,9.3	11,13 12 11,12,13 8	8,11 12,15 19,23,26 14,15
2FLZ8V	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,16	19,24 28,29		16,17 12,13 X,X [6],7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
2RX982	<i>Identifiler®</i>						
	3e	(12),13,14 12,(14),(15),16	(17),19,24 28,29,(30)		(14),16,17 (9),(11),12,13 X,(Y) (6),7,(8),9.3	11,(12),13 (9),(10),12 (10),11,(12),13 8,(11)	(7),8,(9),11 12,15,(16) (18),19,(23),26 14,15,(17),(19)
32FAZG	<i>Identifiler® Plus</i>						
	3e	13,14 12,14,16	17,19,24 28,29,30		14,16,17 9,12,13 X 7,9.3	11,13 10,12 11,13 8	8,9,11 12,15,16 19,23,26 14,15,19
3UXXP2	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,[15],16	19,24 28,29		16,17 12,13 X 7,9.3	11,[12],13 12 11,[12],13 8	8,11 12,15 19,26 14,15
436V9X	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,[15],16	19,24 28,29		16,17 [9],12,13 X [6],7,9.3	11,[12],13 12 11,13 8	8,11 12,15 19,26 14,15
637CK2	<i>PowerPlex® PP16 HS</i>						
	3e	[12],13,14 [11],12	28,29,(30) [7],11,12		[14],16,17 [9,11],12,13 X,(Y) [6],7,[8],9.3	11,[12],13 [9,10],12 [10],11,[12],13 8,[11]	8,[9],11 12,15,[16] [18],19,[23],26 14,15,[17],19



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
69ANRE	<i>Globalfiler</i>						
	3e	12,(15),15.3,(17.3) (12),13,14 12,(14),(15),16	(17),19,24 13,13 28,29,(30)	10,11 18,19,(23) (11),15,16 (16),17,(18),20	(14),16,17 (9),(11),12,13 X,(Y) (6),7,(8),9.3	11,(12),13 (9),(10),12 (10),11,(12),13 8,(11)	(7),8,(9),11 12,15,(16) (18),19,(23),26 14,15,(17),(19)
69ED66	<i>Identifiler® Plus</i>						
	3e		17,19,24		14,16,17 9,12,13 X,Y 6,7,9.3	11,12,13 9,10,12 10,11,13 8,11	8,11 12,15,16 18,19,23,26 14,15,17,19
6ALTEW	<i>Identifiler® Plus</i>						
	3e	- 13,14 12,16 -	19,24 - 28,29 -	- - - -	16,17 12,13 X,X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
6D4F3W	<i>Identifiler® Plus</i>						
	3e		[17],19,24		[14],16,17 9,11,12,13 X,(Y) [6],7,[8],9.3	11,12,13 [9],[10],12 [10],11,[12],13 8,[11]	7,8,9,11 12,15,16 18,19,23,26 14,15,[17],[19]
6PGCQE	<i>Identifiler® Plus</i>						
	3e		19,24		14,16,17 9,12,13 X,Y 7,8,9.3	11,13 9,10,12 11,13 8	8,11 12,15,16 19,26 14,15,17,19
7F88F9	<i>COfiler® and Profiler Plus®</i>						
	3e				16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 [18],19,[23],26 14,15
7ZBTFE	<i>Identifiler®</i>						
	3e		[17],19,24		[14],16,17 [9,11],12,13 X,X,(Y) [6],7,[8],9.3	11,[12],13 [9],12,12 11,13 8,8	[7],8,11 12,15,[16] 19,[23],26 14,15,[19]
83HV7	<i>Identifiler® Plus, PowerPlex® HS, CS7, ESX, ESI</i>						
	3e	12,15.3 13,14 12,16 12	19,24 13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
87WTZ8	<i>COfiler® and Profiler Plus®</i>						
	3e				16,17 12,13 X,X	11,13	8,11 12,15 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
8X6MGY	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,[14],[15],16	[17],19,24 28,29,[30]		[14],16,17 [9],12,13 X,X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12,12 [10],11,[12],13 8,8,[11]	8,[9],11 12,15,[16] [18],19,[23],26 14,15,[17],[19]
98LJLC	<i>Identifiler® Plus</i>						
	3e	- 13,14 12,16 -	19,24 - 28,29 -	- - - -	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
9GQ279	<i>Identifiler®</i>						
	3e	(12),13,14 12,(14),(15),16	(17),19,24 28,29,(30)		(14),16,17 (9),(11),12,13 X,(Y) (6),7,(8),9.3	11,(12),13 (9),(10),12 (10),11,(12),13 8,(11)	8,(9),11 12,15,(16) (18),19,(23),26 14,15,(17),(19)
9KTYG2	<i>Identifiler® Plus</i>						
	3e	13,14 12,14,15,16	17,19,24 28,29,30		16,17 9,11,12,13 X 7,8,9.3	11,13 9,12 11,12,13 8	8,9,11 12,15,16 19,23,26 14,15,17,19
9MJ6YC	<i>Identifiler®</i>						
	3e	[12],13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 12 11,[12],13 8	8,11 12,15,[16] 19,26 14,15
A6UCPY	<i>PowerPlex® PowerPlex® 16 HS</i>						
	3e	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y 7,9.3	11,12,13 9,10,12 11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
AGK7Y8	<i>PowerPlex® 21</i>						
	3e	12,15,15.3,17.3 12,13,14 12,14,15,16 12,12	17,19,24 28,29 11,12	18,19,23	14,16,17 12,13 X,Y 7,8,9.3	11,13 10,12 11,13 8,8	8,9,11 12,15,16 19,23,26 14,15,17,19
AN64R2	<i>NGM SElect</i>						
	3e	12,[15],15.3,[17.3] [12],13,14 12,[14],[15],16	[17],19,24 13,13 28,29,[30]	10,11 18,19,[23] [11],15,16 [16],17,[18],20	[14],16,17 X,[Y] [6],7,[8],9.3	[9],[10],12	12,15,[16] [18],19,[23],26 14,15,[17],[19]
BAJBGZ	<i>Investigator ESS Plex Plus</i>						
	3e	12,[15],15.3,[17.3] [12],13,14 12,[14,15],16	[17],19,24 13,13 28,29,[30]	10,11 18,19,[23] [11],15,16	[14],16,17 X,[Y] [6],7,[8],9.3	[9,10],12	12,15,[16] [18],19,[23],26 14,15,[17],19]

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
BFQFTT	<i>Identifiler® Plus</i>						
	3e	12,13,14 12,16	17,19,24 28,29		14,16,17 12,13 X,X 7,8,9.3	11,12,13 12 10,11,12,13 8,11	8,11 12,15,16 19,23,26 14,15
CGYCC3	<i>COfiler® and Profiler Plus®</i>						
	3e	13,14	28,29,[30]		[14],16,17 9,12,13 X,X,[Y] 7,8,9.3	11,12,13 12,12 [10],11,13 8,8	[7],8,[9],11 12,15,16 18,19,23,26 14,15,[17],[19]
CY2JJW	<i>Identifiler®</i>						
	3e	[12],13,14 12,[14,15],16	[17],19,24 28,29,[30]		[14],16,17 [9,11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [9,10],12 [10],11,[12],13 8,[11]	[7],8,[9],11 12,15,[16] [18],19,[23],26 14,15,[17],19
CZW6B3	<i>NGM SElect</i>						
	3e	12,15.3,[17.3] [12],13,14 12,[14],16	[17],19,24 13,13 28,29,[30]	10,11 18,19,[23] [11],15,16 17,[18],20	[14],16,17 X,X,[Y] 7,9.3	[9,10],12,12	12,15,[16] 19,[23],26 14,15,[17],19
D6LYMU	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,[15],16	[17],19,24 28,29,[30]		16,17 [9],[11],12,13 X,[Y] [6],7,9.3	11,[12],13 [10],12 [10],11,[12],13 8,[11]	8,11 12,15,[16] 19,26 14,15
DBVZ9X	<i>Identifiler®</i>						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
DEA34M	<i>PowerPlex® 16 HS</i>						
	3e	13,14 12	28,29 11,12		16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
DT6MG4	<i>Profiler® Plus</i>						
	3e	13,14	28,29,(30)		(14),16,17 (9),12,13 X	11,(12),13	8,(9),11 12,15,(16) 19,(23),26 14,15,(17),(19)
EAVEUW	<i>Identifiler®</i>						
	3e	N/A 13,14 12,16 N/A	19,24 N/A 28,29 N/A	N/A N/A N/A N/A	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
EB8L6X	<i>Identifiler®</i>						
	3e	[12],13,14 12,[15],16	[17],19,24 28,29		16,17 [11],12,13 X [6],7,9.3	11,[12],13 12 [10],11,[12],13 8	8,11 12,15,[16] 19,26 14,15
EGEH2Z	<i>COfiler® and Profiler Plus®</i>						
	3e	13,14	28,29		16,17 12,13 X,X	11,13	8,11 12,15 19,26 14,15
EW6MAT	<i>Identifiler® Plus</i>						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
EXHRR4	<i>Identifiler® Plus</i>						
	3e	13,14 12,16	17,19,24 28,29,30		14,16,17 12,13 X 7,9.3	11,13 10,12 11,13 8	8,9,11 12,15,16 19,26 14,15,19
F2ABAT	<i>PowerPlex® PowerPlex®16 HS</i>						
	3e	12,13,14 11,12	28,29,30 7,11,12		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 10,12 10,11,12,13 8,11	8,9,11 12,15,16 18,19,23,26 14,15,19
F4ZHR6	<i>Identifiler®</i>						
	3e	[12],13,14 12,[14],16	[17],19,24 28,29,[30]		[14],16,17 [9],12,13 X,X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12,12 [10],11,[12],13 8,8,[11]	[7],8,[9],11 12,15,[16] 19,[23],26 14,15,[17],[19]
FEMDVQ	<i>Identifiler® Plus</i>						
	3e	13,14 12,[14],[15],16	[17],19,24 28,29,[30]		16,17 [9],12,13 X,X 7,[8],9.3	11,13 12,12 11,[12],13 8,8	8,11 12,15,[16] 19,26 14,15,[17],[19]
FJCL7R	<i>Identifiler®</i>						
	3e	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
FLJ332	<i>PowerPlex® 16</i>						
	3e	[12],13,14 [11],12	28,29 11,12		16,17 12,13 X 7,9.3	11,13 [9,10],12 [10],11,[12],13 8	[7],8,11 12,15,[16] 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
FRMCHM	<i>Identifiler® Plus</i>						
	3e	- (12),13,14 12,(14,15),16 -	(17),19,24 - 28,29,(30) -	- - - -	(14),16,17 (9),12,13 X,(Y) 7,(8),9.3	11,(12),13 (10),12 11,(12),13 8,(11)	8,11 12,15,(16) 19,(23),26 14,15
FTZEF3	<i>Identifiler®</i>						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,[12],13 12 11,[12],13 8	8,11 12,15 19,26 14,15
G2QR3Z	<i>Identifiler®</i>						
	3e	13,14 12,16	[17],19,24 28,29,[30]		[14],16,17 12,13 X,X [6],7,[8],9.3	11,13 [10],12 11,13 8,8	8,11 12,15,[16] [18],19,[23],26 14,15
G7JJ3P	<i>Identifiler® +</i>						
	3e	- 12,13,14 12,14,15,16 -	17,19,24 - 28,29,30 -	- - - -	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
G8JRHG	<i>ESI17</i>						
	3e	12,[15],15.3,[17.3] [12],13,14 12,[14],[15],16	[17],19,24 13,13 28,29,[30]	10,11 18,19 [11],15,16 17,20	[14],16,17  X,X,(Y) [6],7,[8],9.3	[9],[10],12,12	12,15,[16] [18],19,[23],26 14,15,[17]
GPH97Q	<i>Identifiler® Plus</i>						
	3e	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X 6,7,8,9.3	11,12,13 9,10,12 10,11,13 8,11	8,9,11 12,15,16 19,23,26 14,15,17,19
GU7QK3	<i>Identifiler® Plus</i>						
	3e	13,14 12,16	17,19,24 28,29,30		14,16,17 9,12,13 X 7,8,9.3	11,13 9,10,12 11,13 8	8,9,11 12,15,16 19,26 14,15,17,19
GZJ3RJ	<i>Identifiler® Plus, PowerPlex® CS7, NGM SElect</i>						
	3e	12,15.3 13,14 12,16 12,12	19,24 13,13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15
H8DWCF	<i>Identifiler®</i>						
	3e	13,14 12,[14,15],16	19,24 28,29		16,17 [11],12,13 X,X [6],7,[8],9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15,[17],19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
HMMQ36	Identifiler®						
	3e	[12],13,14 12,[14],[15],16	[17],19,24 28,29,[30]		[14],16,17 [9],12,13 X,X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12,12 [10],11,[12],13 8,8,[11]	8,[9],11 12,15,[16] 19,[23],26 14,15,[17],[19]
J7EBXF	Identifiler® Plus, PowerPlex® 16 HS, ESX 17						
	3e	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
JLQUR2	Identifiler®						
	3e	[12],13,14 12,[14],[15],16	[17],19,24 28,29,[30]		[14],16,17 [9],[11],12,13 X,X,[X],[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12,12 [10],11,[12],13 8,8,[11]	[7],8,[9],11 12,15,[16] [18],19,[23],26 14,15,[17],[19]
JQ7RDP	Identifiler®						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
JQHWXL	Identifiler® Plus						
	3e	(12),13,14 12,(15),16	19,24 28,29		(14),16,17 12,13 X 7,9.3	11,13 12 11,(12),13 8	8,11 12,15,(16) 19,26 14,15
JRVX2	Identifiler® Plus						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X,X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
KKRCJR	Identifiler®						
	3e	N/A [12],13,14 12,[14],[15],16 N/A	[17],19,24 N/A 28,29,[30] N/A	N/A N/A N/A N/A	[14],16,24 [9],[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12 [10],11,[12],13 8,[11]	[7],8,[9],11 12,15,[16] [18],19,[23],26 14,15,[17],[19]
KLML2T	Identifiler®						
	3e	12,13,14 12,[14],[15],16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,[Y] [6],7,[8],9.3	11,12,13 [9],[10],12 [10],11,[12],13 8,[11]	7,8,9,11 12,15,16 18,19,23,26 14,15,[17],[19]
KZ7ADC	Identifiler® IDENTIFILER Plus						
	3e	[12],13,14 12,[14],16	[17],19,24 28,29,[30]		[14],16,17 [9],12,13 X,X,[Y] [6],7,9.3	11,13 [9],[10],12,12 11,13 8,8,[11]	8,11 12,15,[16] 19,[23],26 14,15,[17],[19]

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
L4K4QN	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,[14],[15],16	[17],19,24 28,29		[14],16,17 [9],[11],12,13 X 7,[8],9.3	11,[12],13 [10],12 11,13 8	8,11 12,15,[16] 19,26 14,15,[17],[19]
L6WC8H	<i>Identifiler® Plus</i>						
	3e	[12],13,14 [12],[14],[15],16	19,24 28,[29]		16,17 [9],[11],12,13 X,X 7,[8],9.3	11,[12],13 [9],[10],12 [10],11,[12],13 8,8	[7],8,[9],11 12,15,[16] [18],19,26 14,15,[17]
L7NYAQ	<i>Identifiler®</i>						
	3e	[12],13,14 12,16	19,24 28,29		16,17 [11],12,13 X 7,9.3	11,13 12 [10],11,[12],13 8	[7],8,11 12,15 19,26 14,15
L82YKM	NGM						
	3e	12,15.3 [12],13,14 12,[14],[15],16	[17],19,24 13 28,29,[30]	10,11 18,19 15,16	[14],16,17  X,[Y] [6],7,[8],9.3	[10],12	12,15,[16] [18],19,[23],26 14,15
LMBH6D	<i>Identifiler® Plus</i>						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X,X 7,9.3	11,13 12 11,13 8	8,11 12,15 19,26 14,15
LNU7PT	<i>Identifiler®</i>						
	3e	[12],13,14 12,[15],16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 12 11,[12],13 8	8,11 12,15,[16] 19,26 14,15
LPZRDT	<i>COfiler® and Profiler Plus®</i>						
	3e	13,14	28,29		[14],16,17 [11],12,13 X,X [6],7,[8],9.3	11,[12],13 [9],[10],12,12 11,12,13 8,8	8,11 12,15,[16] [18],19,[23],26 14,15,[19]
M8H8VF	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,[14],16	[17],19,24 28,29,[30]		[14],16,17 [9],12,13 X,[Y] 7,[8],9.3	11,[12],13 [9],[10],12 11,[12],13 8,[11]	8,11 12,15,[16] 19,[23],26 14,15,[17],[19]
MTF7AL	<i>Identifiler® Plus</i>						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
N8AMKH	PowerPlex® 16						
	3e				16,17	11,[12],13	8,11
		13,14			12,13	12,12	12,15
			28,29		X,X	11,13	[18],19,26
		12,12	11,12		7,9.3	8,8	14,15
N9NPUB	Identifiler Plus						
	3e	-	19,24	-	16,17	11,13	8,11
		13,14	-	-	12,13	12	12,15
		12,16	28,29	-	X,X	11,13	19,26
		-	-	-	7,9.3	8	14,15
NC7JLP	Identifiler®						
	3e		19,24		16,17	11,13	8,11
		13,14			12,13	12	12,15
		12,16	28,29		X	11,13	19,26
					7,9.3	8	14,15
NDFQLW	Identifiler® Plus						
	3e		19,24		16,17	11,13	8,11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,[16]
		12,16	28,29		X,[Y]	11,13	[18],19,26
					7,9.3	8,8	14,15
NKZGWB	PowerPlex® 16 HS, ESI 17						
	3e	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13	18,19	12,13	12	12,15
		12,16	28,29	15,16	X	11,13	19,26
		12	11,12	17,20	7,9.3	8	14,15
NRJHEA	Identifiler®						
	3e		[17],19,24		[14],16,17	11,13	8,11
		13,14			12,13	12,12	12,15,[16]
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
NU4YLF	Identifiler Plus						
	3e		[17],19,24		[14],16,17	11,[12],13	8,[9],11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,[16]
		12,[14],[15],16	28,29,[30]		X,[Y]	[10],11,[12],13	19,[23],26
					[6],7,[8],9.3	8,[11]	14,15,[17],[19]
P7C6AM	Identifiler®						
	3e	N/A	[17],19,24	N/A	[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14	N/A	N/A	[9],[11],12,13	[9],[10],12	12,15,[16]
		12,[14],[15],16	28,29,[30]	N/A	X,[Y]	[10],11,[12],13	[18],19,[23],26
		N/A	N/A	N/A	[6],7,[8],9.3	8,[11]	14,15,[17],[19]
PRBZRU	Identifiler® Plus						
	3e		[17],19,24		[14],16,17	11,[12],13	8,[9],11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,[16]
		12,[14],[15],16	28,29,[30]		X,[Y]	11,[12],13	[18],19,[23],26
					[6],7,[8],9.3	8,[11]	14,15,[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</b>							
PT7JVG	PowerPlex® 16 HS						
	3e				14,16,17	11,12,13	8,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
			28,29		X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12		6,7,8,9.3	8,11	14,15,17,19
QLP6QQ	Identifiler®						
	3e		[17],19,24		[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14			[9],12,13	[9,10],12,12	12,15
		12,[14],16	28,29,[30]		X,X	[10],11,[12],13	19,26
					7,[8],9.3	8,8,[11]	14,15,[17]
QLPRXB	AmpFISTR NGM						
	3e	12,15.3	19,24	10,11	16,17		
		13,14	13	18,19		12	12,15
		12,16	28,29	15,16	X		19,26
					7,9.3		14,15
QWM64V	Identifiler® Plus						
	3e		19,24		16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
QYP4EM	Identifiler®						
	3e	N/A	19,24	N/A	16,17	11,13	8,11
		13,14	N/A	N/A	12,13	12	12,15
		12,[15],16	28,29	N/A	X	11,[12],13	19,26
		N/A	N/A	N/A	7,9.3	8	14,15
R2YD7K	Identifiler® Plus						
	3e		19,24		16,17	11,[12],13	8,11
		[12],13,14			[11],12,13	12	12,15
		12,[14],[15],16	28,29		X,[Y]	11,[12],13	19,26
					[6],7,9.3	8,[11]	14,15
T78NPL	PowerPlex® ESI 17 Fast System						
	3e	12,15.3,[17.3]	[17],19,24	10,11	[14],16,17		
		[12],13,14	13,13	18,19,[23]		[9],[10],12,12	12,15,[16]
		12,[14],16	28,29,[30]	[11],15,16	X,X,[Y]		[18],19,[23],26
				[16],17,[18],20	7,[8],9.3		14,15,[17],[19]
TJUVMM	Identifiler® Plus						
	3e		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
TNMMJ3	Identifiler® Plus						
	3e		19,24		16,17	11,13	8,11
		[12],13,14			12,13	[9],12,12	12,15,[16]
		12,16	28,29,[30]		X,X,[Y]	11,13	19,26
					[6],7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
UJQQKJ	<i>Identifiler®</i>						
	3e	N/A [12],13,14 12,[15],16 N/A	ND*,19,24 N/A 28,29,[30] N/A	N/A N/A N/A N/A	[14],16,17 [9],[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [10],12 [10],11,[12],13 8,[11]	8,ND*,11 12,15,[16] 19,ND*,26 14,15,[17],[19]
UX6NE3	<i>PowerPlex® ESI 17 Pro, ESX 17</i>						
	3e	12,(15),15.3,(17.3) (12),13,14 12,(14),(15),16	(17),19,24 13 28,29,(30)	10,11 18,19,(23) (11),15,16 (16),17,(18),20	(14),16,17 X,(Y) (6),7,(8),9.3	(10),12	12,15,(16) (18),19,(23),26 14,15,(17),(19)
V94GK9	<i>PowerPlex® 16</i>						
	3e	[12],13,14 12,12	28,29,[30] [7],11,12		[14],16,17 [9],12,13 X,[Y] [6],7,9.3	11,[12],13 [10],12 [10],11,[12],13 8,[11]	8,[9],11 12,15,[16] [18],19,26 14,15,[19]
VH72M2	<i>Identifiler® Plus</i>						
	3e	[12],13,14 12,16	[17],19,24 28,29,[30]		16,17 [9],[11],12,13 X,X,[Y] [6],7,9.3	11,13 [9],12,12 [10],11,13 8,8,[11]	8,[9],11 12,15,[16] 19,[23],26 14,15,[19]
VLQQ8E	<i>Identifiler® Plus</i>						
	3e	13,14 12,16	19,24 28,29		16,17 12,13 X 7,9.3	11,13 9,12 11,13 8	8,11 12,15 19,23,26 14,15,19
W8LRY8	<i>Identifiler® Plus</i>						
	3e	12,13,14 12,16	19,24 28,29		14,16,17 12,13 X 6,7,9.3	11,12,13 12 11,13 8	8,11 12,15 19,26 14,15
WBLPXL	<i>Identifiler® Plus</i>						
	3e	12,13,14 12,14,16	19,24 28,29,[30]		16,17 [11],12,13 X,X 7,[8],9.3	11,13 [9],[10],12 11,13 8	8,11 12,15 19,[23],26 14,15
WFHEJY	<i>NGM SElect</i>						
	3e	12,15.3 13,14 12,16	19,24 13,13 28,29	10,11 18,19 15,16 17,20	16,17 X,X 7,9.3	12,12	12,15 19,26 14,15
WTQZ6D	<i>PowerPlex® Fusion, PowerPlex®ESX17</i>						
	3e	12,15.3 13,14 12,16 12,12	19,24 13,13 28,29 11,12	10,11 18,19 15,16 17,20	16,17 12,13 X,X 7,9.3	11,13 12,12 11,13 8,8	8,11 12,15 19,26 14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
WU38EE	<i>Identifiler® Plus</i>						
	3e	19,24			16,17	11,12,13	8,9,11
		12,13,14			9,12,13	9,10,12	12,15,16
		12,14,16	28,29,30		X,Y	11,12,13	19,23,26
					6,7,8,9.3	8,11	14,15,19
X7PVP4	<i>Identifiler Plus</i>						
	3e	17,19,24			16,17	11,12,13	8,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	11,12,13	19,23,26
					6,7,8,9.3	8	14,15,17
XJWAWC	<i>Identifiler®</i>						
	3e	[17],19,24			[14],16,17	11,[12],13	8,[9],11
		[12],13,14			[9],12,13	[9],[10],12	12,15,[16]
		12,[14],16	28,29,[30]		X,[Y]	11,[12],13	19,[23],26
					[6],7,[8],9.3	8	14,15,[19]
XPZQGB	<i>Identifiler® Plus</i>						
	3e	17,19,24			14,16,17	11,13	8,9,11
		13,14			9,12,13	9,10,12	12,15,16
		12,14,16	28,29,30		X	11,12,13	19,23,26
					7,8,9.3	8,11	14,15,17,19
YAHE48	<i>Identifiler®</i>						
	3e	[17],19,24			[14],16,17	11,[12],13	7,8,[9],11
		[12],13,14			[9],[11],12,13	[9],[10],12,12	12,15,16
		12,[14],[15],16	28,29,[30]		X,X,[Y]	[10],11,[12],13	[18],19,[23],26
					[6],7,[8],9.3	8,8,[11]	14,15,[17],[19]
YBVECH	<i>Identifiler®</i>						
	3e	19,24			16,17	11,13	8,11
		13,14			12,13	12,12	12,15
		12,16	28,29		X,X	11,13	19,26
					7,9.3	8,8	14,15
YQAMDL	<i>Identifiler® Plus</i>						
	3e	19,24			16,17	11,[12],13	8,11
		13,14			[9],[11],12,13	12,12	12,15,[16]
		12,[14],16	28,29		X,X	11,[12],13	19,26
					[6],7,[8],9.3	8,8	14,15,[17],[19]
Z2QQYC	<i>Identifiler®</i>						
	3e	N/A	[17],19,24	N/A	16,17	11,[12],13	8,ND*,11
		[12],13,14	N/A	N/A	[9],[11],12,13	ND*,12	12,15,[16]
		12,ND*,16	28,29,ND*	N/A	X	11,[12],13	[18],19,ND*,26
		N/A	N/A	N/A	7,ND*,9.3	8,ND*	14,15,ND*
Z94DVE	<i>Identifiler®</i>						
	3e	[17],19,24			[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,[16]
		12,[14],[15],16	28,29,[30]		X	[10],11,[12],13	[18],19,[23],26
					[6],7,[8],9.3	8,[11]	14,15,[17],[19]

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3e</b>							
Z9MWZK	<i>Identifiler® Plus</i>						
	3e		17,19,24		14,16,17	11,13	8,9,11
		13,14			9,12,13	9,10,12	12,15,16
		12,14,16	28,29,30		X	11,13	19,26
					7,8,9.3	8	14,15,17,19
ZAGC6A	<i>PowerPlex® FUSION, PowerPlex® ESX 17</i>						
	3e	12,15.3	19,24	10,11	16,17	11,13	8,11
		13,14	13,13	18,19	12,13	12,12	12,15
		12,16	28,29	15,16	X,X	11,13	19,26
		12,12	11,12	17,20	7,9.3	8,8	14,15
ZMPMJ6	<i>PowerPlex® 16 HS</i>						
	3e				[14],16,17	11,[12],13	8,[9],11
		13,14			12,13	[10],12	12,15,[16]
			28,29,[30]		X,[Y]	11,13	19,26
		[11],12	11,12		[6],7,[8],9.3	8,[11]	14,15
ZVKVFC	<i>Identifiler®</i>						
	3e	N/A	19,24	N/A	16,17	11,13	8,11
		12,13,14	N/A	N/A	11,12,13	11,12	12,15
		12,16	28,29	N/A	X,X	11,13	19,26
		N/A	N/A	N/A	7,9.3	8,8	14,15

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
27E4MX	<i>Identifiler® Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16,16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
28NBLK	<i>Identifiler Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16,16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
29JUP8	<i>Identifiler® Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
2FLZ8V	<i>Identifiler® Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16,16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
2RX982	<i>Identifiler®</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
32FAZG	<i>Identifiler® Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16,16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
3UXXP2	<i>Identifiler® Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16	
		14,15	28,30	X,Y	10,[11],12	18,23	
				6,[7],8	8,11	17,19	
436V9X	<i>Identifiler® Plus</i>						
	3sp	17,19		14,17	11,12	7,9	
		12,14		9,11	9,10	16	
		14,15	28,30	X,Y	10,12	18,23	
				6,8	8,11	17,19	
637CK2	<i>PowerPlex® PP16 HS</i>						
	3sp			14,17	11,12	7,9	
		12,14		9,11	9,10	16	
			28,30	X,Y	10,12	18,23	
		11	7,12	6,8	8,11	17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
69ANRE	<i>Globalfiler</i>						
	3sp	15,17.3 12,14 14,15	17,19 13,13 28,30	11,11 18,23 11,16 16,18	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
69ED66	<i>Identifiler® Plus</i>						
	3sp		17,19,24		14,17 9,11,12 X,Y 6,8,9.3	11,12 9,10 10,12 8,11	7,9 16 18,23 15,17,19
6ALTEW	<i>Identifiler® Plus</i>						
	3sp	- 12,14 14,15 -	17,19 - 28,30 -	- - - -	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16 18,23 17,19
6D4F3W	<i>Identifiler® Plus</i>						
	3sp		17,19		14,[16],17 9,11,[12] X,Y 6,[7],8,[9.3]	11,12 9,10,[12] 10,12 8,11	7,9 16 18,[19],23 [14],17,19
6PGCQE	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
7F88F9	<i>COfiler® and Profiler Plus®</i>						
	3sp				14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
7ZBTFE	<i>Identifiler®</i>						
	3sp		17,19		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
83HV7	<i>Identifiler® Plus, PowerPlex® HS, CS7, ESX, ESI</i>						
	3sp	15,17.3 12,14 14,15 11	17,19 13 28,30 7,12	11 18,23 11,16 16,18	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16 18,23 17,19
87WTZ8	<i>COfiler® and Profiler Plus®</i>						
	3sp				14,17 9,11 X,Y	11,12	7,9 16,16 18,23 17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
8X6MGY	<i>Identifiler® Plus</i>						
	3sp	14,- 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,- 16,16 18,23 17,19
98LJLC	<i>Identifiler® Plus</i>						
	3sp	- 12,14 14,15 -	17,19 - 28,30 -	- - - -	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
9GQ279	<i>Identifiler®</i>						
	3sp	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
9KTYG2	<i>Identifiler® Plus</i>						
	3sp	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16 18,23 17,19
9MJ6YC	<i>Identifiler®</i>						
	3sp	12,14 14,15	17,19 28,30		14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
A6UCPY	<i>PowerPlex® PowerPlex® 16 HS</i>						
	3sp	12,13,14	28,30		14,16,17 9,11 X,Y 6,8	11,12 9,10,12 10,12,13 8,11	7,9 12,15,16 18,23 17,19
AGK7Y8	<i>PowerPlex® 21</i>						
	3sp	15,17.3 12,14 14,15 11,11	17,19 28,30 7,12	18,23	14,17 9,11 X,Y 6,8	11,12 9,10 10,12 8,11	7,9 16,16 18,23 17,19
AN64R2	<i>NGM SElect</i>						
	3sp	15,17.3 12,14 14,15	17,19 13,13 28,30	11,11 18,23 11,16 16,18	14,17 X,Y 6,8	9,10	16,16 18,23 17,19
BAJBGZ	<i>Investigator ESS Plex Plus</i>						
	3sp	15,17.3 12,14 14,15	17,19 13,13 28,30	11,11 18,23 11,16	14,17 X,Y 6,8	9,10	16,16 18,23 17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
BFQFTT	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
CGYCC3	<i>COfiler® and Profiler Plus®</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
					6,[7],8	8,11	17,19
CY2JJW	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	[15],17,19
CZW6B3	<i>NGM SElect</i>						
	3sp	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
D6LYMU	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
DBVZ9X	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
DEA34M	<i>PowerPlex® 16 HS</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
DT6MG4	<i>Profiler® Plus</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
EAVEUW	<i>Identifiler®</i>						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
EB8L6X	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
EGEH2Z	<i>COfiler® and Profiler Plus®</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11		16,16
			28,30		X,Y		18,23
							17,19
EW6MAT	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
EXHRR4	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
F2ABAT	<i>PowerPlex® PowerPlex®16 HS</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
F4ZHR6	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
FEMDVQ	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
FJCL7R	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
FLJ332	<i>PowerPlex® 16</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
FRMCHM	<i>Identifiler® Plus</i>						
	3sp	-	17,19	-	14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16
		14,15	28,30	-	X,Y	10,12	18,23
		-	-	-	6,8	8,11	17,19
FTZEF3	<i>Identifiler®</i>						
	3sp		17,19		14,[16],17	11,12	7,[8],9
		12,14			9,11,[12],[13]	9,10,[12]	16
		14,15	28,[29],30		X,Y	10,[11],12	18,23
					6,8,[9.3]	8,11	17,[18],19
G2QR3Z	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
G7JJ3P	<i>Identifiler® +</i>						
	3sp	-	17,19		14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16,16
		14,15	28,30	-	X,Y	10,12	18,23
		-	-	-	6,8	8,11	17,19
G8JRHG	<i>ESI17</i>						
	3sp	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
GPH97Q	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
GU7QK3	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
GZJ3RJ	<i>Identifiler® Plus, PowerPlex® CS7, NGM SElect</i>						
	3sp	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11,11	7,12	16,18	6,8	8,11	17,19
H8DWCF	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
HMMQ36	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10,[12]	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
J7EBXF	<i>Identifiler® Plus, PowerPlex® 16 HS, ESX 17</i>						
	3sp	15,17.3	17,19	11	14,17	11,12	7,9
		12,14	13	18,23	9,11	9,10	16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11	7,12	16,18	6,8	8,11	17,19
JLQUR2	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
JQ7RDP	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
JQHWXL	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
JRVX2	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
KKRCJR	<i>Identifiler®</i>						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
KLML2T	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
KZ7ADC	<i>Identifiler® IDENTIFILER Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
L4K4QN	<i>Identifiler® Plus</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
L6WC8H	<i>Identifiler® Plus</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
L7NYAQ	<i>Identifiler®</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
L82YKM	NGM						
	3sp	15,17.3	17,19	11	14,17		
		12,14	13	18,23		9,10	16
		14,15	28,30	11,16	X,Y		18,23
					6,8		17,19
LMBH6D	<i>Identifiler® Plus</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
LNU7PT	<i>Identifiler®</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
LPZRDT	<i>COfiler® and Profiler Plus®</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
M8H8VF	<i>Identifiler® Plus</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
MTF7AL	<i>Identifiler® Plus</i>						
	3sp	17,19			14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
N8AMKH	PowerPlex® 16						
	3sp				14,[16],17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
N9NPUB	Identifiler Plus						
	3sp	-	17,19	-	14,17	11,12	7,9
		12,14	-	-	9,11	9,10	16
		14,15	28,30	-	X,Y	10,12	18,23
		-	-	-	6,8	8,11	17,19
NC7JLP	Identifiler®						
	3sp		17,19		14,(16),17	11,12	7,9
		12,(13),14			9,11	9,10	16
		14,15	28,(29),30		X,Y	10,12	18,23
					6,8,(9.3)	8,11	(14),(15),17,19
NDFQLW	Identifiler® Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
NKZGWB	PowerPlex® 16 HS, ESI 17						
	3sp	15,17.3	17,19	11	14,17	11,12	7,9
		12,14	13	18,23	9,11	9,10	16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11	7,12	16,18	6,8	8,11	17,19
NRJHEA	Identifiler®						
	3sp		17,19,[24]		14,17	11,12,[13]	7,9,[11]
		12,14			9,11,[12],[13]	9,10,[12]	16,16
		[12],14,15,[16]	28,30		X,Y	10,12,[13]	18,[19],23,[26]
					6,8,[9.3]	8,11	[14],[15],17,19
NU4YLF	Identifiler Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
P7C6AM	Identifiler®						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
PRBZRU	Identifiler® Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
PT7JVG	PowerPlex® 16 HS						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16
			28,30		X,Y	10,12	18,23
		11	7,12		6,8	8,11	17,19
QLP6QQ	Identifiler®						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
QLPRXB	AmpFISTR NGM						
	3sp	15,17.3	17,19	11	14,17		
		12,14	13	18,23		9,10	16
		14,15	28,30	11,16	X,Y		18,23
					6,8		17,19
QWM64V	Identifiler® Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
QYP4EM	Identifiler®						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
R2YD7K	Identifiler® Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
T78NPL	PowerPlex® ESI 17 Fast System						
	3sp	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
TJUVMM	Identifiler® Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
TNMMJ3	Identifiler® Plus						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
UJQQKJ	<i>Identifiler®</i>						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19
UX6NE3	<i>PowerPlex® ESI 17 Pro, ESX 17</i>						
	3sp	15,17.3	17,19	11	14,17		
		12,14	13	18,23		9,10	16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
V94GK9	<i>PowerPlex® 16</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,23
		11,11	7,12		6,8	8,11	17,19
VH72M2	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
VLQQ8E	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
W8LRY8	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
WBLPXL	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
WFHEJY	<i>NGM SElect</i>						
	3sp	15,17.3	17,19	11,11	14,17		
		12,14	13,13	18,23		9,10	16,16
		14,15	28,30	11,16	X,Y		18,23
				16,18	6,8		17,19
WTQZ6D	<i>PowerPlex® Fusion, PowerPlex®ESX17</i>						
	3sp	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11,11	7,12	16,18	6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
WU38EE	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
X7PVP4	<i>Identifiler Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,29,30		X,Y	10,12	18,23
				6,7,8	8,11	17,19	
XJWAWC	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
XPZQGB	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
YAHE48	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
YBVECH	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
YQAMD L	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	
Z2QQYC	<i>Identifiler®</i>						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	6,8	8,11	17,19	
Z94DVE	<i>Identifiler®</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
				6,8	8,11	17,19	



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 3sp</b>							
Z9MWZK	<i>Identifiler® Plus</i>						
	3sp		17,19		14,17	11,12	7,9
		12,14			9,11	9,10	16,16
		14,15	28,30		X,Y	10,12	18,23
					6,8	8,11	17,19
ZAGC6A	<i>PowerPlex® FUSION, PowerPlex® ESX 17</i>						
	3sp	15,17.3	17,19	11,11	14,17	11,12	7,9
		12,14	13,13	18,23	9,11	9,10	16,16
		14,15	28,30	11,16	X,Y	10,12	18,23
		11,11	7,12	16,18	6,8	8,11	17,19
ZMPMJ6	<i>PowerPlex® 16 HS</i>						
	3sp				14,17	11,12	7,9
		12,14			9,11	9,10	16,16
			28,30		X,Y	10,12	18,[23]
		11,11	7,12		[6],8	8,11	17,19
ZVKVFC	<i>Identifiler®</i>						
	3sp	N/A	17,19	N/A	14,17	11,12	7,9
		12,14	N/A	N/A	9,11	9,10	16,16
		14,15	28,30	N/A	X,Y	10,12	18,23
		N/A	N/A	N/A	6,8	8,11	17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
27E4MX	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,(10),12	12,15,16
		12,14,15,16	28,29,30		X,X,(Y)	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,(11)	14,15,17,19
28NBLK	<i>Identifiler Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
29JUP8	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
2FLZ8V	<i>Identifiler® Plus</i>						
	4		17,19,24		[14],16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	[9,10],12	12,15,16
		12,14,15,16	28,29,[30]		X,X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,[11]	14,15,17,[19]
2RX982	<i>Identifiler®</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
32FAZG	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
3UXXP2	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
436V9X	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
4ZGLYW	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
637CK2	PowerPlex® PP16 HS						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
			28,29,30		X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12		6,7,8,9.3	8,11	14,15,17,19
68EZB6	Identifiler®						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
69ANRE	Globalfiler						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17	11,12,13	7,8,9,11
		12,13,14	13,13	18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y	10,11,12,13	18,19,23,26
				16,17,18,20	6,7,8,9.3	8,11	14,15,17,19
69ED66	Identifiler® Plus						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
6ALTEW	Identifiler® Plus						
	4	-	17,19,24	-	14,16,17	11,12,13	7,8,9,11
		12,13,14	-	-	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	-	X,Y	10,11,12,13	18,19,23,26
		-	-	-	6,7,8,9.3	8,11	14,15,17,19
6CB2LC	Identifiler®						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
6D4F3W	Identifiler® Plus						
	4		17,19,24		14,16,17	11,12,13	[7],8,[9],11
		12,13,14			[9],[11],12,13	[9],[10],12	12,15,16
		12,14,15,16	28,29,30		X,[Y]	[10],11,[12],13	18,19,23,26
					[6],7,[8],9.3	8,[11]	14,15,[17],[19]
6PGCQE	Identifiler® Plus						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
6UCAU7	Identifiler® Plus						
	4		17,19,24		[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,16
		12,[14],[15],16	28,29,[30]		X,[Y]	[10],11,[12],13	18,19,23,26
					[6],7,[8],9.3	8,[11]	14,15,[17],[19]

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
7F88F9	COfiler® and Profiler Plus®						
	4	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 [9],[10],12,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
7ZBTFE	Identifiler®						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
83HVW7	Identifiler® Plus, PowerPlex® HS, CS7, ESX, ESI						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
87WTZ8	COfiler® and Profiler Plus®						
	4	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y	11,12,13	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
8X6MGY	Identifiler® Plus						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
98LJLC	Identifiler® Plus						
	4	- 12,13,14 12,14,15,16 -	17,19,24 - 28,29,30 -	- - - -	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
9GQ279	Identifiler®						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
9KTYG2	Identifiler® Plus						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
9MJ6YC	Identifiler®						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
A2DGZ9	<i>Identifiler® Identifiler Plus</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
A6UCPY	<i>PowerPlex® PowerPlex® 16 HS</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
			28,29,30		X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12		6,7,8,9.3	8,11	14,15,17,19
AGK7Y8	<i>PowerPlex® 21</i>						
	4	12,15,15.3,17.3	17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14		18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12		6,7,8,9.3	8,11	14,15,17,19
AN64R2	<i>NGM Select</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17		
		12,13,14	13,13	18,19,23		9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y		18,19,23,26
				16,17,18,20	6,7,8,9.3		14,15,17,19
B6QE8V	<i>Profiler® Plus</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13		12,15,16
			28,29,30		X,Y		18,19,23,26
							14,15,17,19
BAJBGZ	<i>Investigator ESS Plex Plus</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17		
		12,13,14	13,13	18,19,23		9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y		18,19,23,26
					6,7,8,9.3		14,15,17,19
BFQFTT	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
BXB236	<i>Identifiler® Identifiler Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
CGYCC3	<i>COfiler® and Profiler Plus®</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
			28,29,30		X,X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,[11]	14,15,17,19

TABLE 1

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

CPBYFJ	<i>Identifiler Plus, NGM Select</i>						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16	17,19,24 13,13 28,29,30	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
CU6UZ4	<i>Identifiler Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
CY2JJW	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
CZW6B3	<i>NGM Select</i>						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16	17,19,24 13,13 28,29,30	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 X,Y 6,7,8,9.3	9,10,12	12,15,16 18,19,23,26 14,15,17,19
D6LYMU	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
DBVZ9X	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
DEA34M	<i>PowerPlex® HS</i>						
	4	12,13,14 11,12	28,29,30 7,11,12		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
DT6MG4	<i>Profiler® Plus</i>						
	4	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y	11,12,13	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
DXJR9Q	<i>PowerPlex® Fusion, AmpFLR NGM Select</i>						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
E92T4R	<i>Profiler® Plus</i>						
	4	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y	11,12,13	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
EAVEUW	<i>Identifiler®</i>						
	4	N/A [12],13,14 12,[14],[15],16 N/A	17,19,[24] N/A 28,29,[30] N/A	N/A N/A N/A N/A	[14],16,17 [9],[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 9,[10],12 [10],11,[12],13 8,11	7,8,[9],[11] 12,[15],16 [18],19,[23],26 14,15,[17],[19]
EB8L6X	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
EGEH2Z	<i>COfiler® and Profiler Plus®</i>						
	4	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y	11,12,13	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
EW6MAT	<i>Identifiler® Plus</i>						
	4	[12],[13],14 12,14,15,16	[17],19,24 28,[29],[30]		[14],16,17 [9],[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12 [10],11,[12],13 8,[11]	[7],8,[9],11 12,15,16 [18],19,[23],26 14,15,[17],[19]
EXHRR4	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
F2ABAT	<i>PowerPlex® PowerPlex[sic]16 HS</i>						
	4	12,13,14 11,12	28,29,30 7,11,12		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
F4ZHR6	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12,12 10,11,12,13 8,8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
FEMDVQ	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,[30]		14,16,17 9,11,12,13 X,X,[Y] 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,8,[11]	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
FJCL7R	<i>Identifiler®</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
FLJ332	<i>PowerPlex® 16</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
			28,29,30		X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12		6,7,8,9.3	8,11	14,15,17,19
FRMCHM	<i>Identifiler® Plus</i>						
	4	-	17,19,24	-	14,16,17	11,12,13	7,8,9,11
		12,13,14	-	-	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	-	X,Y	10,11,12,13	18,19,23,26
		-	-	-	6,7,8,9.3	8,11	14,15,17,19
FTZEF3	<i>Identifiler®</i>						
	4		[17],19,[24]		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	[9],[10],12	12,15,16
		12,14,15,16	28,29,[30]		X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,[11]	14,15,17,19
G2QR3Z	<i>Identifiler®</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
G7JJ3P	<i>Identifiler® +</i>						
	4	-	17,19,24	-	14,16,17	11,12,13	7,8,9,11
		12,13,14	-	-	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	-	X,Y	10,11,12,13	18,19,23,26
		-	-	-	6,7,8,9.3	8,11	14,15,17,19
G8JRHG	<i>ESI17</i>						
	4	12,15,15.3,17.3	[17],19,24	10,11	[14],16,17		
		12,13,14	13,13	18,19,23		[9],[10],12	12,15,16
		12,14,15,16	28,29,[30]	[11],15,16	X,[Y]		18,19,23,26
				16,17,18,20	6,7,8,9.3		14,15,17,19
GPH97Q	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
GU7QK3	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19



TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
GZJ3RJ	<i>Identifiler® Plus, PowerPlex® CS7, NGM SElect</i>						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
H8DWCF	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
HMMQ36	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
J7EBXF	<i>Identifiler® Plus, PowerPlex® 16 HS, ESX 17</i>						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
JLQUR2	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
JQ7RDP	<i>Identifiler®</i>						
	4	[12],13,14 12,[14],[15],16	[17],19,24 28,29,[30]		[14],16,17 [9],[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12 10,11,12,13 8,[11]	[7],8,[9],11 12,15,16 [18],19,[23],26 14,15,[17],[19]
JQHWWL	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
JRVXV2	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
KKRCJR	<i>Identifiler®</i>						
	4	N/A [12],13,14 12,14,15,16 N/A	[17],19,24 N/A 28,29,[30] N/A	N/A N/A N/A N/A	[14],16,17 [9],[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12 [10],11,[12],13 8,[11]	[7],8,[9],11 12,15,16 18,19,23,26 14,15,[17],[19]

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
KLML2T	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
KZ7ADC	<i>Identifiler® IDENTIFILER Plus</i>						
	4	12,13,14 12,14,15,16	[17],19,24 28,29,[30]		14,16,17 9,11,12,13 X,X,[Y] 6,7,8,9.3	11,[12],13 [9],[10],12,12 10,11,12,13 8,8,[11]	7,8,9,11 12,15,16 18,19,23,26 14,15,[17],19
L4K4QN	<i>Identifiler® Plus</i>						
	4	[12],13,14 12,[14],[15],16	[17],19,24 28,29,[30]		[14],16,17 9,11,12,13 X,[Y] [6],7,[8],9.3	11,[12],13 [9],[10],12 10,11,12,13 8,[11]	7,8,9,11 12,15,16 [18],19,[23],26 14,15,[17],[19]
L6WC8H	<i>Identifiler® Plus</i>						
	4	[12],[13],14 12,14,15,16	17,19,[24] 28,29,30		[14],[16],17 9,11,12,13 X,[Y] 6,7,8,9.3	11,12,[13] 9,[10],12 10,11,12,[13] 8,[11]	7,8,9,11 [12],[15],16 18,19,23,[26] 14,15,17,19
L7NYAQ	<i>Identifiler®</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
L82YKM	NGM						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16	17,19,24 13 28,29,30	10,11 18,19,23 11,15,16	14,16,17 X,Y 6,7,8,9.3	9,10,12	12,15,16 18,29,23,26 14,15,17,19
LD8REH	<i>PowerPlex® Fusion system, ESI 17 Promega</i>						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
LMBH6D	<i>Identifiler® Plus</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
LNR4TG	<i>Qiagen Investigator IDplex Plus Kit</i>						
	4	12,13,14 12,14,15,16	17,19,24 28,29,30		14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
LNU7PT	<i>Identifiler®</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
LPZRDT	<i>COfiler® and Profiler Plus®</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	[9],[10],12,12	12,15,16
			28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,[11]	14,15,17,19
LYMALE	<i>GlobalFiler</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17	11,12,13	7,8,9,11
		12,13,14	13,13	18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y	10,11,12,13	18,19,23,26
				16,17,18,20	6,7,8,9.3	8,11	14,15,17,19
M6AVDE	<i>Identifiler® Plus</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
M8H8VF	<i>Identifiler® Plus</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
MNJGQT							
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
MTF7AL	<i>Identifiler® Plus</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
N8AMKH	<i>PowerPlex® 16</i>						
	4				[14],16,17	11,[12],[13]	[7],8,[9],11
		[12],[13],14			[9],[11],12,13	9,[10],12	12,15,16
			28,29,[30]		X,[Y]	[10],11,12,13	[18],[19],[23],26
		[11],12	[7],[11],12		6,7,8,[9.3]	8,[11]	14,15,[17],[19]
N9NPUB	<i>Identifiler Plus</i>						
	4	-	17,19,24	-	14,16,17	11,12,13	7,8,9,11
		12,13,14	-	-	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	-	X,Y	10,11,12,13	18,19,23,26
		-	-	-	6,7,8,9.3	8,11	14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
NC7JLP	<i>Identifiler®</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
NDFQLW	<i>Identifiler® Plus</i>						
	4	[17],19,[24]			[14],16,17	11,[12],[13]	7,8,9,11
		12,[13],14			9,11,12,13	9,[10],12	[12],15,16
		12,14,15,16	28,[29],[30]		X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,[11]	14,15,17,19
NKZGWB	<i>Identifiler® Plus, PowerPlex® 16 HS, ESI 17</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17	11,12,13	7,8,9,11
		12,13,14	13	18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12	16,17,18,20	6,7,8,9.3	8,11	14,15,17,19
NRJHEA	<i>Identifiler®</i>						
	4	17,19,24			[14],16,17	11,[12],13	7,8,9,11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,16
		12,[14],[15],16	28,29,[30]		X,Y	10,11,12,13	[18],19,[23],26
					6,7,8,9.3	8,[11]	14,15,[17],[19]
NU4YLF	<i>Identifiler Plus</i>						
	4	[17],19,24			[14],16,17	11,[12],13	7,8,9,11
		[12],13,14			9,11,12,13	[9],[10],12	12,15,16
		12,14,15,16	28,29,[30]		X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,[11]	14,15,17,19
P7C6AM	<i>Identifiler®</i>						
	4	N/A	[17],19,24	N/A	[14],16,17	11,[12],13	7,8,9,11
		[12],13,14	N/A	N/A	9,11,12,13	[9],[10],12	12,15,16
		12,14,15,16	28,29,[30]	N/A	X,[Y]	10,11,12,13	18,19,23,26
		N/A	N/A	N/A	6,7,8,9.3	8,[11]	14,15,17,19
PRBZRU	<i>Identifiler® Plus</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
PT7JVG	<i>PowerPlex® 16 HS</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
			28,29,30		X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12		6,7,8,9.3	8,11	14,15,17,19
Q8N2GD	<i>Identifiler Plus</i>						
	4	17,19,19,24			14,16,17,17	11,11,12,13	7,8,9,11
		12,13,14,14			9,11,12,13	9,10,12,12	12,15,16,16
		12,14,15,16	28,28,29,30		X,X,X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,8,11	14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
QDEBPQ	<i>Profiler® Plus</i>						
	4				14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13		12,15,16
			28,29,30		X,Y		18,19,23,26
							14,15,17,19
QLP6QQ	<i>Identifiler®</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
QLPRXB	<i>AmpFISTR NGM</i>						
	4	12,[15],15.3,[17.3]	[17],19,[24]	[10],11	[14],[16],17		
		[12],[13],14	13	18,[19],[23]		[9],[10],12	[12],[15],16
		12,[14],[15],16	28,[29],[30]	[11],[15],16	X,[Y]		[18],19,[23],26
					[6],7,[8],9.3		14,15,[17],[19]
QWM64V	<i>Identifiler® Plus</i>						
	4		[17],19,24		[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14			[9,11],12,13	[9,10],12,12	12,15,16
		12,[14],[15],16	28,29,[30]		X,X,[Y]	[10],11,[12],13	[18],19,[23],26
					[6],7,[8],9.3	8,8,[11]	14,15,[17],19
QYP4EM	<i>Identifiler®</i>						
	4	N/A	17,19,24	N/A	14,16,17	11,12,13	7,8,9,11
		12,13,14	N/A	N/A	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	N/A	X,Y	10,11,12,13	18,19,23,26
		N/A	N/A	N/A	6,7,8,9.3	8,11	14,15,17,19
R2YD7K	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
T78NPL	<i>PowerPlex® ESI 17 Fast System</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17		
		12,13,14	13,13	18,19,23		9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y		18,19,23,26
				16,17,18,20	6,7,8,9.3		14,15,17,19
TA4AGN	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
TJUVMM	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
TNMMJ3	<i>Identifiler® Plus</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	[9],[10],12	12,15,16
		12,14,15,16	28,29,30		X,X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,[11]	14,15,17,19
TQCWQJ	<i>Identifiler®</i>						
	4	17,19,24			14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
UJQQKJ	<i>Identifiler®</i>						
	4	N/A	[17],19,[24]	N/A	[14],16,17	11,[12],[13]	7,8,9,11
		[12],13,14	N/A	N/A	9,11,12,13	[9],[10],12	12,15,16
		12,14,15,16	28,29,[30]	N/A	X,[Y]	10,11,12,13	18,19,23,26
		N/A	N/A	N/A	6,7,8,9.3	8,[11]	14,15,17,19
UX6NE3	<i>PowerPlex® ESI 17 Pro, ESX 17</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17		
		12,13,14	13	18,19,23		9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,(Y)		18,19,23,26
				16,17,18,20	6,7,8,9.3		14,15,17,19
V94GK9	<i>PowerPlex® 16</i>						
	4				[14],16,17	11,[12],13	[7],8,[9],11
		[12],13,14			[9],[11],12,13	[9],[10],12	12,15,16
			28,29,[30]		X,[Y]	[10],11,[12],13	18,19,23,26
		11,12	[7],11,12		[6],7,[8],9.3	8,[11]	14,15,17,[19]
VH72M2	<i>Identifiler® Plus</i>						
	4		[17],19,24		[14],16,17	11,[12],13	7,8,[9],11
		12,13,14			9,11,12,13	[9],[10],12,12	12,15,16
		12,[14],15,16	28,29,[30]		X,X,[Y]	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,8,[11]	14,15,17,19
VLQQ8E	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
VTCL9H	<i>Identifiler®</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19
W8LRY8	<i>Identifiler® Plus</i>						
	4		17,19,24		14,16,17	11,12,13	7,8,9,11
		12,13,14			9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30		X,Y	10,11,12,13	18,19,23,26
					6,7,8,9.3	8,11	14,15,17,19

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
WBLPXL	<i>Identifiler® Plus</i>						
	4	17,19,24		14,16,17	11,12,13	7,8,9,11	
		12,13,14		9,11,12,13	9,10,12	12,15,16	
		12,14,15,16	28,29,30	X,Y	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,11	14,15,17,19	
WFHEJY	<i>NGM SElect</i>						
	4	12,[15],15.3,[17.3]	[17],19,24	10,11	[14],16,17		
		[12],13,14	13,13	18,19,[23]		[9],[10],12,12	12,15,16
		12,[14],[15],16	28,29,[30]	[11],15,16	X,[Y]		[18],19,[23],26
				[16],17,[18],20	[6],7,[8],9.3		14,15,[17],[19]
WTQZ6D	<i>PowerPlex® Fusion, PowerPlex®ESX17</i>						
	4	12,15,15.3,17.3	17,19,24	10,11	14,16,17	11,12,13	7,8,9,11
		12,13,14	13,13	18,19,23	9,11,12,13	9,10,12	12,15,16
		12,14,15,16	28,29,30	11,15,16	X,Y	10,11,12,13	18,19,23,26
		11,12	7,11,12	16,17,18,20	6,7,8,9.3	8,11	14,15,17,19
WU38EE	<i>Identifiler® Plus</i>						
	4	17,19,24		14,16,17	11,12,13	7,8,9,11	
		12,13,14		9,11,12,13	9,10,12	12,15,16	
		12,14,15,16	28,29,30	X,Y	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,11	14,15,17,19	
X7PVP4	<i>Identifiler Plus</i>						
	4	17,19,24		14,16,17	11,12,13	7,8,9,11	
		12,13,14		9,11,12,13	9,10,12	12,15,16	
		12,14,15,16	28,29,30	X,Y	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,11	14,15,17,19	
XJWAWC	<i>Identifiler®</i>						
	4	17,19,24		14,16,17	11,12,13	7,8,9,11	
		12,13,14		9,11,12,13	9,10,12	12,15,16	
		12,14,15,16	28,29,30	X,Y	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,11	14,15,17,19	
XPZQGB	<i>Identifiler® Plus</i>						
	4	17,19,24		14,16,17	11,12,13	7,8,9,11	
		12,13,14		9,11,12,13	9,10,12	12,15,16	
		12,14,15,16	28,29,30	X,Y	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,11	14,15,17,19	
YAHE48	<i>Identifiler®</i>						
	4	[17],19,[24]		[14],[16],17	11,[12],[13]	7,8,9,11	
		[12],[13],14		9,11,12,13	[9],[10],12	12,15,16	
		12,14,15,16	28,[29],[30]	X,X,[Y]	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,8,[11]	14,15,17,19	
YBVECH	<i>Identifiler®</i>						
	4	17,19,24		14,16,17	11,12,13	7,8,9,11	
		12,13,14		9,11,12,13	9,10,12	12,15,16	
		12,14,15,16	28,29,30	X,Y	10,11,12,13	18,19,23,26	
				6,7,8,9.3	8,11	14,15,17,19	

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
<b>Item 4</b>							
YQAMD	Identifiler® Plus						
	4	17,19,[24] 12,13,14 12,14,15,[16]			[14],[16],17 9,11,12,13 X,[Y] 6,[7],8,[9.3]	11,12,[13] 9,10,12 10,[11],12,[13] 8,[11]	7,8,9,11 [12],[15],16 18,19,23,[26] 14,15,17,19
Z2QQYC	Identifiler®						
	4	N/A [12],[13],14 12,14,15,16 N/A	[17],19,[24] N/A 28,[29],[30] N/A	N/A N/A N/A N/A	[14],16,17 [9],[11],12,13 X,[Y] 6,7,[8],9.3	11,[12],13 [9],[10],12 10,11,12,13 8,[11]	7,8,9,11 [12],[15],16 18,19,23,26 14,15,17,19
Z94DVE	Identifiler®						
	4	17,19,24 12,13,14 12,14,15,16			14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
Z9MWZK	Identifiler® Plus						
	4	17,19,24 12,13,14 12,14,15,16			14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
ZAGC6A	PowerPlex® FUSION, PowerPlex® ESX 17						
	4	12,15,15.3,17.3 12,13,14 12,14,15,16 11,12	17,19,24 13,13 28,29,30 7,11,12	10,11 18,19,23 11,15,16 16,17,18,20	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
ZMPMJ6	PowerPlex® 16 HS						
	4	[12],13,14 11,12	28,29,[30] [7],11,12		[14],[16],17 9,[11],12,13 X,[Y] [6],7,[8],9.3	11,[12],[13] [9],[10],12 10,11,12,13 8,[11]	7,8,[9],11 12,15,16 18,19,23,26 14,15,17,[19]
ZQPVPZ	Identifiler® Plus						
	4	17,19,24 12,13,14 12,14,15,16			14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
ZUQAP7	Profiler® Plus						
	4	12,13,14	28,29,30		14,16,17 9,11,12,13 X,Y	11,12,13	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19
ZVKVFC	Identifiler®						
	4	N/A 12,13,14 12,14,15,16 N/A	17,19,24 N/A 28,29,30 N/A	N/A N/A N/A N/A	14,16,17 9,11,12,13 X,Y 6,7,8,9.3	11,12,13 9,10,12 10,11,12,13 8,11	7,8,9,11 12,15,16 18,19,23,26 14,15,17,19



# YSTR Results

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YInDel		
Item 1										
6ALTEW	Yfiler® 1	-	-	-	-	-	-	-	-	
6PDT4B	PowerPlex® Y 1									
9KTYG2	Yfiler® 1	ND	ND	ND	ND	ND	ND	ND	ND	
DT6MG4	Yfiler® 1	ND	ND	ND	ND	ND	ND	ND	ND	
DXJR9Q	PowerPlex® Y 23 1									
JHRF8W	PowerPlex® Y 1									
L82YKM	Yfiler® 1									
LMBH6D	Yfiler® 1	-	-	-	-	-	-	-	-	
MTF7AL	Yfiler® 1									
QLPRXB	Yfiler® 1	-	-	-	-	-	-	-	-	

TABLE 2

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

Item 1

UJQQKJ	Yfiler® 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Z2QQYC	Yfiler® 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ZTE6XF	PowerPlex® Y 1								

TABLE 2

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

Item 2

29JUP8	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
32FAZG	PowerPlex® Y 2	14	11,14	12	28	24	11	13	13
		15	12	12					
3UXXP2	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
436V9X	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
637CK2	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
69ANRE	Globalfiler 2						11		
								2	
69ED66	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
6ALTEW	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	-	-
		-	-	-	23	-	12	-	-
6CB2LC	Yfiler® 2	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
6PDT4B	PowerPlex® Y 2	14	11,14	12	28	24	11	13	13
		15	12	12					
6PGCQE	PowerPlex® Y 2	14	11,14	12	28	24	11	13	13
		15	12	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</b>										
6UCAU7	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
7F88F9	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
83HW7	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
9KTYG2	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
9MJ6YC	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
A6UCPY	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
BAJBGZ	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
BFQFTT	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
CGYCC3	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
CPBYFJ	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
D6LYMU	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	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 2</b>										
DBVZ9X	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
DEA34M	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
DT6MG4	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
DXJR9Q	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
EAVEUW	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
EB8L6X	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
EXHRR4	PowerPlex® Y	2	14	11,14	12	28	24	11	13	13
			15	12	12					
F2ABAT	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
FLJ332	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
FRMCHM	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	-	-
			-	-	-	23	-	12	-	
FTZEF3	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	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 2</b>										
G2QR3Z	PowerPlex® Y	2	14	11,14	12	28	24	11	13	13
			15	12	12					
GPH97Q	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
GU7QK3	PowerPlex® Y	2	14	11,14	12	28	24	11	13	13
			15	12	12					
GZJ3RJ	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
H8DWCF	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
J7EBXF	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
JHRF8W	PowerPlex® Y	2	14	11,14	12	28	24	11	13	13
			15	12	12					
JQ7RDP	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
JQHWWL	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
JRVXV2	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
KKRCJR	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	N/A

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel		
<b>Item 2</b>										
L4K4QN	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
L7NYAQ	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
L82YKM	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
LD8REH	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17	21	12
		12	17		19	23	10	12		
LMBH6D	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
LNR4TG	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17	21	12
		12	17		19	23	10	12		
LNU7PT	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
LPZRDT	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17	21	12
		12	17		19	23	10	12		
M8H8VF	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
MTF7AL	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
N8AMKH	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	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 2</b>										
N9NPUB	Yfiler® AmpFlstr	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	-	-
			-	-	-	23	-	12	-	-
NKZGWB	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
P7C6AM	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
PT7JVG	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
QLPRXB	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
QYP4EM	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
R2YD7K	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
TQCWQJ	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
UJQQKJ	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
UX6NE3	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
VLQQ8E	Yfiler®	2	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	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 2</b>										
VTCL9H	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
W8LRY8	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
WBLPXL	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
WFHEJY	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
WTQZ6D	PowerPlex® Y 23	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17	21	12
		12	17		19	23	10	12		
WU38EE	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
X7PVP4	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
XPZQGB	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
Z2QQYC	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17	N/A	N/A
		N/A	N/A		N/A	23	N/A	12	N/A	
Z94DVE	Yfiler®	2	14	11,14	12	28	24	11	13	13
		15	12		12	19	17	17		
						23		12		
Z9MWZK	PowerPlex® Y	2	14	11,14	12	28	24	11	13	13
		15	12		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</b>									
ZAGC6A	PowerPlex® Y 23	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
ZMPMJ6	Yfiler®	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
ZTE6XF	PowerPlex® Y	14	11,14	12	28	24	11	13	13
		15	12	12					
ZVKVFC	Yfiler®	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	

TABLE 2

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

Item 3

6UCAU7	Yfiler®	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
CPBYFJ	Yfiler®	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
DXJR9Q	PowerPlex® Y 23	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
J7EBXF	PowerPlex® Y 23	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
JQ7RDP	Yfiler®	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
L82YKM	Yfiler®	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
LD8REH	PowerPlex® Y 23	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
LNR4TG	PowerPlex® Y 23	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
WBLPXL	Yfiler®	3	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	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</b>									
637CK2	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
69ANRE	Globalfiler 3e						(11)		
								(2)	
69ED66	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
6ALTEW	Yfiler® 3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
7F88F9	PowerPlex® Y 23 3e								
83HW7	Yfiler® 3e								
9MJ6YC	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
A6UCPY	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
BAJBGZ	Yfiler® 3e								
BFQFTT	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
CGYCC3	PowerPlex® Y 23 3e	14	11,14	12	28	24	11	13	13
			12	12	19	17	17	21	12
		12	17	19	23	10	12		

TABLE 2

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

Item 3e

DBVZ9X	PowerPlex® Y 23 3e								
DEA34M	PowerPlex® Y 23 3e								
DT6MG4	Yfiler® 3e	14 15	11,14 12	12 12	28 19 23	24 17	11 17 12	13	13
EAVEUW	Yfiler® 3e	14 15 N/A	11,14 12 N/A	12 12 N/A	28 19 23	24 17 N/A	11 17 12	13 N/A N/A	13 N/A
EB8L6X	Yfiler® 3e	14 15	11,14 12	12 12	28 19 23	24 17	11 17 12	13	13
F2ABAT	Yfiler® 3e								
FRMCHM	Yfiler® 3e	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
G2QR3Z	PowerPlex® Y 3e	14 15	11,14 12	12 12	28	24	11	13	13
GZJ3RJ	Yfiler® 3e	-- --	-- --	-- --	-- -- --	-- --	-- -- --	--	--
H8DWCF	Yfiler® 3e			12 12	28		11		
JRVXV2	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</b>									
KKRCJR	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
L4K4QN	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
L7NYAQ	Yfiler® 3e								
LMBH6D	Yfiler® 3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
LNU7PT	Yfiler® 3e								
LPZRDT	PowerPlex® Y 23 3e								
M8H8VF	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
MTF7AL	Yfiler® 3e								
N8AMKH	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
N9NPUB	Yfiler® AmpFISTR 3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
NKZGWB	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

P7C6AM	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
PT7JVG	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
QLPRXB	Yfiler® 3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
QYP4EM	Yfiler® 3e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UJQQKJ	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
UX6NE3	PowerPlex® Y 23 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
WFHEJY	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
WTQZ6D	PowerPlex® Y 23 3e								
Z2QQYC	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
Z94DVE	Yfiler® 3e								
ZAGC6A	PowerPlex® Y 23 3e								

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
<b>Item 3e</b>									
ZMPMJ6	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
ZVKVFC	Yfiler® 3e	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	



TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533	
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel		
<b>Item 3sp</b>										
29JUP8	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
32FAZG	PowerPlex® Y 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12						
436V9X	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
637CK2	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
69ANRE	Globalfiler 3sp						11			
									2	
69ED66	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
6ALTEW	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	-	-	
		-	-	-	23	-	12	-	-	
6PGCQE	PowerPlex® Y 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12						
7F88F9	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	21	12	
		12	17	19	23	10	12			
83HV7	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	21	12	
		12	17	19	23	10	12			
9KTYG2	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	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</b>										
9MJ6YC	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
A6UCPY	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
BAJBGZ	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
BFQFTT	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
CGYCC3	PowerPlex® Y 23 3sp	14		12	28	24	11	13	13	
			12	12	19	17	17	21	12	
		12	17	19	23	10	12			
D6LYMU	3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
DBVZ9X	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	21	12	
		12	17	19	23	10	12			
DEA34M	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	21	12	
		12	17	19	23	10	12			
DT6MG4	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
EAVEUW	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	N/A	N/A	
		N/A	N/A	N/A	23	N/A	12	N/A	N/A	
EB8L6X	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	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

EXHRR4	PowerPlex® Y	3sp	14	11,14	12	28	24	11	13	13
			15	12	12					
F2ABAT	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
FLJ332	PowerPlex® Y 23	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
FRMCHM	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	-	-
			-	-	-	23	-	12	-	-
FTZEF3	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
G2QR3Z	PowerPlex® Y	3sp	14	11,14	12	28	24	11	13	13
			15	12	12					
GPH97Q	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
GU7QK3	PowerPlex® Y	3sp	14	11,14	12	28	24	11	13	13
			15	12	12					
GZJ3RJ	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
H8DWCF	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
					23		12			
JQHWWL	Yfiler®	3sp	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	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</b>										
JRVXV2	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
KKRCJR	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	N/A	N/A	
		N/A	N/A	N/A	23	N/A	12	N/A		
L4K4QN	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
L7NYAQ	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
LMBH6D	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
LNU7PT	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
LPZRDT	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17	21	12	
		12	17	19	23	10	12			
M8H8VF	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
MTF7AL	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
N8AMKH	Yfiler® 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	17			
					23		12			
N9NPUB	Yfiler® AmpFISTR 3sp	14	11,14	12	28	24	11	13	13	
		15	12	12	19	17	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</b>									
NKZGWB	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
P7C6AM	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
PT7JVG	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
QLPRXB	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
QYP4EM	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
R2YD7K	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
UJQQKJ	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
UX6NE3	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
VLQQ8E	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
W8LRY8	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
WFHEJY	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	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</b>									
WTQZ6D	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
WU38EE	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
X7PVP4	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
XPZQGB	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
Z2QQYC	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
Z94DVE	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
Z9MWZK	PowerPlex® Y 3sp	14	11,14	12	28	24	11	13	13
		15	12	12					
ZAGC6A	PowerPlex® Y 23 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
ZMPMJ6	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
ZVKVFC	Yfiler® 3sp	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	
<b>Item 4</b>									
29JUP8	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
32FAZG	PowerPlex® Y 4	14	11,14	12	28	24	11	13	13
		15	12	12					
3UXXP2	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
436V9X	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
637CK2	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
69ANRE	Globalfiler 4						11		
								2	
69ED66	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
6ALTEW	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	-	-
		-	-	-	23	-	12	-	-
6CB2LC	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
6PGCQE	PowerPlex® Y 4	14	11,14	12	28	24	11	13	13
		15	12	12					
6UCAU7	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	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</b>										
7F88F9	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
83HW7	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
9KTYG2	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
9MJ6YC	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
A6UCPY	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
BAJBGZ	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
BFQFTT	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
CGYCC3	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
CPBYFJ	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
D6LYMU	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
DBVZ9X	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	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 4</b>										
DEA34M	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
DT6MG4	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
DXJR9Q	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
EAVEUW	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
EB8L6X	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
EXHRR4	PowerPlex® Y	4	14	11,14	12	28	24	11	13	13
			15	12	12					
F2ABAT	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
FLJ332	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
FRMCHM	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	-	-
			-	-	-	23	-	12	-	
FTZEF3	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
G2QR3Z	PowerPlex® Y	4	14	11,14	12	28	24	11	13	13
			15	12	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</b>										
GPH97Q	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
GU7QK3	PowerPlex® Y	4	14	11,14	12	28	24	11	13	13
			15	12	12					
GZJ3RJ	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
H8DWCF	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
J7EBXF	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
JQ7RDP	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
JQHWWL	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
JRVXV2	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
KKRCJR	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
L4K4QN	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
L7NYAQ	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	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</b>										
L82YKM	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
LD8REH	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
LMBH6D		4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
LNR4TG	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
LNU7PT	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
LPZRDT	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	23	10	12		
M8H8VF	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
MTF7AL	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
N8AMKH	Yfiler®	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17		
						23		12		
N9NPUB	Yfiler® AmpFISTR	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	-	-
			-	-	-	23	-	12	-	-
NKZGWB	PowerPlex® Y 23	4	14	11,14	12	28	24	11	13	13
			15	12	12	19	17	17	21	12
			12	17	19	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 4</b>									
P7C6AM	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
PT7JVG	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
QLPRXB	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
QYP4EM	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
R2YD7K	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
TQCWQJ	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
UJQQKJ	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
UX6NE3	PowerPlex® Y 23 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
VLQQ8E	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
W8LRY8	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
WBLPXL	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	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</b>									
WFHEJY	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
WTQZ6D	PowerPlex® Y 23 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
WU38EE	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
X7PVP4	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
XPZQGB	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
Z2QQYC	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
Z94DVE	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
Z9MWZK	PowerPlex® Y 4	14	11,14	12	28	24	11	13	13
		15	12	12					
ZAGC6A	PowerPlex® Y 23 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	21	12
		12	17	19	23	10	12		
ZMPMJ6	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17		
					23		12		
ZVKVFC	Yfiler® 4	14	11,14	12	28	24	11	13	13
		15	12	12	19	17	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	

# Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3e	Item 3sp	Item 4
D6S1043	AGK7Y8	10,13	11,17	10,11,13,17	11,17	10,11,13,17
DYS391	LYMALE		11			11
F13A01	83HV7	6	3.2,6	6	3.2,6	3.2,6
F13B	83HV7	10	10	10	10	10
FESFPS	83HV7	10,12	10	10,12	10	10,12
LPL	83HV7	10	10,11	10	10,11	10,11
Y INDEL	LYMALE		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
27E4MX	Yes	Yes	Yes	Yes	7ZBTFF	Yes	Yes	Yes	Yes
28NBLK	Yes	Yes	Yes	Yes	83HVV7	Yes	Yes	Yes	Yes
29JUP8	Yes	Yes	Yes	Yes	87WTZ8	Yes	Yes	Yes	Yes
2FLZ8V	Yes	Yes	Yes	Yes	8X6MGY	Yes	Yes	Yes	Yes
2RX982	Yes	Yes	Yes	Yes	98LJLC	Yes	Yes	Yes	Yes
32FAZG	Yes	Yes	Yes	Yes	9GQ279	Yes	Yes	Yes	Yes
3GCNZA	No Interpretations Reported, DNA Analyzed for Database purposes only.				9KTYG2	Yes	Yes	Yes	Yes
3UXXP2	Yes	Yes	Yes	Yes	9MJ6YC	Yes	Yes	Yes	Yes
436V9X	Yes	Yes	Yes	Yes	A2DGZ9	Yes	Yes	Yes	Yes
4ZGLYW	Yes	Yes	Yes	Yes	A6UCPY	Yes	Yes	Yes	Yes
637CK2	Yes	Yes	Yes	Yes	AGK7Y8	Yes	Yes	Yes	Yes
68EZB6	Yes	Yes	Yes	Yes	AN64R2	Yes	Yes	Yes	Yes
69ANRE	Yes	Yes	Yes	Yes	B6QE8V	No	Yes	Yes	Yes
69ED66	Yes	Yes	Yes	Yes	BAJBGZ	Yes	Yes	Yes	Yes
6ALTEW	Yes	Yes	Yes	Yes	BFQFTT	Yes	Yes	Yes	Yes
6CB2LC		Yes		Yes	BUREE6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
6D4F3W	Yes	Yes	Yes	Yes	BXB236	Yes	Yes	Yes	Yes
6PDT4B	No Interpretations Reported, DNA Analyzed for Database purposes only.				CGYCC3	Yes	Yes	Yes	Yes
6PGCQE	Yes	Yes	Yes	Yes	CPBYFJ	Yes	Yes	Yes	Yes
6UCAU7	Yes	Yes	Yes	Yes	CU6UZ4	Yes	Yes	Yes	Yes
7F88F9	Yes	Yes	Yes	Yes	CY2JJW	Yes	Yes	Yes	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
CZW6B3	Yes	Yes	Yes	Yes	GPH97Q	Yes	Yes	Yes	Yes
D6LYMU	Yes	Yes	Yes	Yes	GU7QK3	Yes	Yes	Yes	Yes
DBVZ9X	Yes	Yes	Yes	Yes	GZJ3RJ	Yes	Yes	Yes	Yes
DEA34M	Yes	Yes	Yes	Yes	H8DWCF	Yes	Yes	Yes	Yes
DT6MG4	Yes	Yes	Yes	Yes	HMMQ36	Yes	Yes	Yes	Yes
DXJR9Q	Yes	Yes	Yes	Yes	J7EBXF	Yes	Yes	Yes	Yes
E3TX7P	No Interpretations Reported, DNA Analyzed for Database purposes only.				JHRF8W	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E92T4R	No	Yes	Yes	Yes	JLQUR2	Yes	Yes	Yes	Yes
EAVEUW	Yes	Yes	Yes	Yes	JQ7RDP	Yes	Yes	Yes	Yes
EB8L6X	Yes	Yes	Yes	Yes	JQHWWL	Yes	Yes	Yes	Yes
EGEH2Z	Yes	Yes	Yes	Yes	JRVXV2	Yes	Yes	Yes	Yes
EW6MAT	Yes	Yes	Yes	Yes	KKRCJR	Yes	Yes	Yes	Yes
EXHRR4	Yes	Yes	Yes	Yes	KLML2T	Yes	Yes	Yes	Yes
F2ABAT	Yes	Yes	Yes	Yes	KZ7ADC	Yes	Yes	Yes	Yes
F4ZHR6	Yes	Yes	Yes	Yes	L4K4QN	Yes	Yes	Yes	Yes
FEMDVQ	Yes	Yes	Yes	Yes	L6WC8H	Yes	Yes	Yes	Yes
FJCL7R	Yes	Yes	Yes	Yes	L7NYAQ	Yes	Yes	Yes	Yes
FLJ332	Yes	Yes	Yes	Yes	L82YKM	Yes	Yes	Yes	Yes
FRMCHM	Yes	Yes	Yes	Yes	LD8REH	Yes	Yes	Yes	Yes
FTZEF3	Yes	Yes	Yes	Yes	LMBH6D	Yes	Yes	Yes	Yes
G2QR3Z	Yes	Yes	Yes	Yes	LNR4TG	Yes	Yes	Yes	Yes
G7JJ3P	Yes	Yes	Yes	Yes	LNU7PT	Yes	Yes	Yes	Yes
G8JRHG	Yes	Yes	Yes	Yes	LPZRDT	Yes	Yes	Yes	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
LYMALE	Yes	Yes	Yes	Yes	T78NPL	Yes	Yes	Yes	Yes
M6AVDE	Yes	Yes	Yes	Yes	TA4AGN	Yes	Yes	Yes	Yes
M8H8VF	Yes	Yes	Yes	Yes	TJUVMM	yes,blood; no,sp	Yes	Yes, sp & blood	Yes
MNJGQT	Yes	Yes	Yes	Yes	TNMMJ3	Yes	Yes	Yes	Yes
MTF7AL	Yes	Yes	Yes	Yes	TQCWQJ		Yes		Yes
N8AMKH	Yes	Yes	Yes	Yes	UJQQKJ	Yes	Yes	Yes	Yes
N9NPUB	Yes	Yes	Yes	Yes	UX6NE3	Yes	Yes	Yes	Yes
NC7JLP	Yes	Yes	Yes	Yes	V94GK9	Yes	Yes	Yes	Yes
NDFQLW	Yes	Yes	Yes	Yes	VH72M2	Yes	Yes	Yes	Yes
NKZGWB	Yes	Yes	Yes	Yes	VLQQ8E	Yes	Yes	Yes	Yes
NRJHEA	Yes	Yes	Yes	Yes	VTCL9H		Yes		Yes
NU4YLF	Yes	Yes	Yes	Yes	W8LRY8	Yes	Yes	Yes	Yes
NU9QMP	No Interpretations Reported, DNA Analyzed for Database purposes only.				WBLPXL	Yes	Yes	Yes	Yes
P7C6AM	Yes	Yes	Yes	Yes	WFHEJY	Yes	Yes	Yes	Yes
PRBZRU	Yes	Yes	Yes	Yes	WTQZ6D	Yes	Yes	Yes	Yes
PT7JVG	Yes	Yes	Yes	Yes	WU38EE	Yes	Yes	Yes	Yes
Q8N2GD	Yes	Yes	Yes	Yes	X7PVP4	Yes	Yes	Yes	Yes
QDEBPQ	Yes	Yes	No	Yes	XJAWWC	Yes	Yes	Yes	Yes
QLP6QQ	Yes	Yes	Yes	Yes	XPZQGB	Yes	Yes	Yes	Yes
QLPRXB	Yes	Yes	Yes	Yes	YAHE48	Yes	Yes	Yes	Yes
QWM64V	Yes	Yes	Yes	Yes	YBVECH	Yes	Yes	Yes	Yes
QYP4EM	Yes	Yes	Yes	Yes	YQAMD L	Yes	Yes	Yes	Yes
R2YD7K	Yes	Yes	Yes	Yes	Z2QQYC	Yes	Yes	Yes	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
Z94DVE	Yes	Yes	Yes	Yes					
Z9MWZK	Yes	Yes	Yes	Yes					
ZAGC6A	Yes	Yes	Yes	Yes					
ZMPMJ6	Yes	Yes	Yes	Yes					
ZQPVPZ	Yes	Yes	Yes	Yes					
ZTE6XF	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZUQAP7	No	Yes	Yes	Yes					
ZVKVFC	Yes	Yes	Yes	Yes					

<b>Response Summary</b>			<b>Participants reporting DNA results: 142</b>			
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 &amp; 4)?</i>						
		Victim (Item 1)		Suspect (Item 2)		
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>	
<b>Responses</b>	Yes	<b>129</b>	<b>135</b>	<b>131</b>	<b>135</b>	
	No	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	
	Inc	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

Participants not reporting Interpretation results: 7

# Additional Comments

TABLE 5

WebCode	Additional Comments
4ZGLYW	Items 1 and 2 amplified with both Powerplex HS and Identifiler Plus Kits. Items 1 and 2 extracted with charge switch and quantified with picogreen. Items 3 and 4 extracted with BioSprint and quantified with Quantifiler Human.
637CK2	Item 1 was N/A for male DNA using Plexor HY and was therefore not amplified using Yfiler.
69ANRE	Traces of DNA were also obtained from the semen fraction of item 3.
6ALTEW	1. Item 3 and 4 were extracted using Chelex extraction method. 2. Real Time PCR using the ABI Quantifiler Human DNA Quantification Kit was used to quantify extracted DNA. 3. Amplification was done using AmpFISTR Identifiler Direct Kit on Item 1 and Item 2 and AmpFISTR Identifiler Plus Kit on Item 3 and Item 4. 4. Electrophoresis was carried out using 3130xl Genetic Analyzer[sic]. 5. Reagent Blank, positive control and negative control were carried out along with the analysis.
6CB2LC	Item 3 was not tested as this technician is not competent to perform differential extractions. She performs extractions through injection on known samples and can extract general unknown samples (those not suspected of containing semen).
9MJ6YC	Item 3 (non-sperm fraction) - Alleles below reporting threshold are present that are consistent with the DNA profile obtained from the sperm fraction of this item.
A2DGZ9	Items 1 & 2 were processed with ChargeSwitch extraction and PicoGreen quant. Items 3 & 4 were processed with Biosprint and Quantifiler Human. Items 1 & 2 were amp'd with Powerplex 16HS and Identifiler Plus. Items 3 & 4 were amp'd with Identifiler Plus.
A6UCPY	Y-STR analysis was not performed on Item 1 as it was a female reference sample.
BAJBGZ	In item 3 the result of the epithelial fraction is the result of total DNA extraction. Item 2 DYS385 is analyzed with lower analysis parameters (50 rfu), instead of the normally used 75 rfu.
CGYCC3	Y-STR results for Item 3 ep were below the detection limit for DYS437. Y-STR results for Item 3 sp were below the detection limit for DYS437 and DYS385
CU6UZ4	Items 3 and 4 extracted with Biosprint. Quanted with Quantifiler Human. Items 1 and 2 extracted w/ Chargeswitch. Quanted with Picogreen.
DEA34M	The predominant profile is reported for the epithelial fraction of item 3. Non reproducible alleles or under limit of analysis were observed in some of the STR markers.
E3TX7P	Extraction, quantitation, and plate setup completed by technician who processes reference standards only. Data interpretation done by a qualified analyst.
EB8L6X	Item 3 (1-3.1) Epithelial Fraction: carryover noted below reporting threshold.
F2ABAT	Sample Item 3EP was not utilized for Y testing as demonstration of proficiency of Yfiler kit was completed using the other samples. Item 4: At TPOX the "11" allele is slightly under the threshold for sister allele drop out, therefore there[sic] it is possible that an allele has dropped out. All detected alleles are reported.
G2QR3Z	The minor alleles present in the epi fraction of item 3 were consistent with the profile obtained from the sperm fraction of item 3.
G7JJ3P	1) Victim linked to (blood) epithelial mixture on item 3 & 4. 2) Suspect linked to (blood) epithelial mixture on item 3 & 4 as well as to the post coital "semen" fraction of item 3 (full profile match).
H8DWCF	Item #1 (victim) could not be excluded[sic] from the major DNA profile obtained from the epithelial fraction from item #3 (skirt); however, item #1 (victim) is excluded from the sperm fraction of item #3 (skirt). A partial Y-STR profile was obtained from the epithelial fraction of item #3 (skirt).
JRVXV2	1)In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2)Chelex extraction method

TABLE 5

WebCode	Additional Comments
	was used to extract DNA from Item 3. 3)Automate Express Forensic DNA Extraction System with Prepfiler Express kits was used to extract DNA from Item 4. 2) DNA Quantification was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time PCR 7500 System. 3) Amplification of STR (Short Tandem Repeats) genetic loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 4) Amplification of Y-STR genetic loci was carried out using the AmpFISTR YFiler PCR Amplification kit. 5) Capillary Electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzer with GeneMapper ID Software. 6) Reagent Blank, positive control and negative control were carried out throughout the analysis.
LMBH6D	1) Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit. 2) Item 3 and 4 were extracted using chelex extraction method. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit. 4) Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 5) Amplification of Y-STR (Short Tandem Repeat) 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.
M6AVDE	Items 3 and 4 extracted w/ Bio Sprint and Quanted w/ Quantifiler Human. Items 1 and 2 extracted w/ chargeswitch and Quanted w/Picogreen. Penta D and E were typed for databasing purposes and not used for comparison/interpretation. D2S1338 and D19S433 were typed for databasing purposes and not used for comparison/interpretation.
MTF7AL	Item 3 was extracted with a differential extraction procedure. All samples were amplified for STR only using identifiler plus and Yfiler. All samples were electrophoresed on the 3130 XL Genetic Analyzer and analyzed using GENEMAPPER ID-X
N8AMKH	Standards originating from females are not tested for Y-STRs.
N9NPUB	1) Item 3 and Item 4 were extracted using Chelex extraction method and were quantified using the Quantifiler Human DNA Quantification Kit, carried out by 7500 Real Time PCR (RT-PCR). 2) Amplification was done using AmpFISTR Identifiler Direct Kit on Item 1 and Item 2 and AmpFISTR Identifiler Plus Kit on Item 3 and Item 4. 3) Y-STR was carried out using Y-Filer PCR Kit on Item 2, Item 3 and Item 4. 4) Electrophoresis was carried out using 3130xl Genetic Analyzer. 5) Reagent Blank, Positive Control and Negative Control were carried out along with the analysis.
NKZGWB	1.The victim (Item 1) is not excluded as the source of the cells in the epithelial fraction of the blood and semen mixture stain in the victim's skirt (Item 3). 2.The suspect (Item 2) 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. It is noted that the genetic profile recovered from the blood mixture in the victim's shirt (Item 4), has more than two alleles for several of the STR systems analyzed, indicating the presence of cells from more than one individual. The genetic profiles of the victim and the suspect are included in the mixture. Therefore, the victim (Item 1) and the suspect (Item 2) are not excluded as the source of the blood mixture in the victim's shirt (Item 4).
PT7JVG	For Item 4. At D5 the 12 allele was slightly below the sister allele dropout threshold, leaving the possibility that an allele has dropped out. Detected alleles have been reported.
T78NPL	ITEM 1 (Known Blood) - Full Profile matching. Victim ITEM 2 (Known Blood)- Full Profile Matching Suspect. ITEM 3 (Victim's Skirt) - Seminal Fraction: Major Profile Matches Suspect. ITEM 3 (Victim's Skirt)- Epithelial Fraction: Major Profile Matches Victim, with Minor Contribution from Suspect. ITEM 4 (Victim's Shirt)- Mixture with both Suspect and Victim Represented
TA4AGN	Items 1 & 2 were processed with ChargeSwitch extraction and PicoGreen quant. Items 3 & 4 were processed with BioSprint extraction and Quantifiler Human. Items 1 & 2 were amped with PowerPlex 16HS and Identifiler Plus. Items 3 & 4 were amped with Identifiler Plus.
TQCWQJ	Any work associated with item 3 is outside of the analyst's qualifications and will not be performed.
UJQQKJ	ND* = ALLELIC ACTIVITY UNDER THE THRESHOLD.

TABLE 5

WebCode	Additional Comments
VTCL9H	Y exemplar was analyzed for database/exemplar purposes only.
Z2QQYC	Legend: ND* possible allelic[sic] activity under the threshold according to our procedures.
ZMPMJ6	Female reference samples are not analyzed for YSTRs, therefore Item 1 was not analyzed for YSTRs.
ZQPVPZ	Items 1 and 2 were extracted with Chargeswitch and quanted with Picogreen. Items 3 and 4 were extracted with Biosprint and quanted with Quantifiler Human. Penta D, Penta E, D2S1338 and D19S433 were typed for databasing purposes only; these loci were not used for DNA interpretation. Items 1 and 2 ampmed with PowerPlex 16 HS. Items 3 & 4 ampmed with Identifiler Plus.

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

\*\*\*\*\*

## Test No. 14-586: DNA-Mixture

DATA MUST BE RECEIVED BY December 15, 2014 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB and ANSI-ASQ NAB/FQS. 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 ANSI-ASQ NAB/FQS. (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 ANSI-ASQ NAB/FQS.

#### Scenario:

Police are investigating a sexual assault case involving a female victim who was attacked while walking from her parked car to her home. The male suspect fled the scene but was apprehended shortly after the incident. Screening has been performed on both samples with the following results: Item 3 (victim's skirt) is positive for a mixture of blood and semen and Item 4 (victim's shirt) is positive for blood only. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples of the female victim and the male suspect.

#### Items Submitted (Sample Pack S6):

- Item 1: Known blood from the female victim.
- Item 2: Known blood from the male suspect.
- Item 3: Questioned blood and semen mixture from the victim's skirt.  
(yellow and green patterned material)
- Item 4: Questioned blood stain from the victim's shirt. (pale yellow 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

**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.**

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

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

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

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

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

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

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

<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>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>	<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>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>	<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>1</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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

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

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

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

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
<b>2</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>2</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>2</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>2</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 2:** Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

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

Other \_\_\_\_\_

<b>ITEM</b>	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
<b>2</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>2</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>2</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.**

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

**STR Amplification Kit(s) Used For Item 3** Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).

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

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

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

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

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

<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>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>	<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>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>	<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>3</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.**

**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 4:** Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

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

<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.**

**Part II: DNA INTERPRETATION**

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

<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>			
	<u>Item 3</u>	<u>Item 4</u>		<u>Item 3</u>	<u>Item 4</u>
<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 <b>December 15, 2014</b> to be included in the report.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: <a href="mailto:forensics@cts-interlab.com">forensics@cts-interlab.com</a> <a href="http://www.ctsforensics.com">www.ctsforensics.com</a></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>
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## RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **14-586: DNA-Mixture**

This release page must be completed and received by **December 15, 2014** 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) \_\_\_\_\_

### **ANSI-ASQ NAB/FQS RELEASE**

If your laboratory maintains its accreditation through ANSI-ASQ NAB/FQS, please complete the following form in its entirety to have your results forwarded.

ANSI-ASQ NAB/FQS Certificate No. \_\_\_\_\_

Signature and Title \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### **Return Instructions**

### **Accreditation Release**

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

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

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

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