



DNA - Semen Test No. 14-582 Summary Report

This proficiency test was sent to 209 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 171 participants (82% response rate) and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>4</u>
<u>Table 1: Amplification Kit(s) & STR Results</u>	<u>5</u>
<u>Table 2: Amplification Kit(s) & YSTR Results</u>	<u>94</u>
<u>Table 3: Additional DNA Results</u>	<u>121</u>
<u>Table 4: DNA Interpretations</u>	<u>122</u>
<u>Table 5: Additional Comments</u>	<u>127</u>
<u>Appendix: Data Sheet</u>	<u>129</u>

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1, 2 and 3 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 4 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196°C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 4 substrate. Item 1 ($75\ \mu\text{l}$) was blood collected from a female donor and Items 2 ($75\ \mu\text{l}$) and 3 ($50\ \mu\text{l}$) were blood collected from one male donor. Item 4 ($50\ \mu\text{l}$) was a mixture containing the blood from the Item 1 female donor and semen from a donor whose known blood standard was not provided to participants. 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 March 5, 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.

<u>Item</u>	<u>D1S1656*</u>	<u>D2S1338</u>	<u>D2S441*</u>	<u>D3S1358</u>	<u>D5S818</u>	<u>D7S820</u>
1		17,17		15,15	11,13	9,11
2		19,26		16,17	7,8	9,11
3		19,26		16,17	7,8	9,11
4-Blood		17,17		15,15	11,13	9,11
4-Semen		17,23		17,18	10,11	9,10

<u>Item</u>	<u>D8S1179</u>	<u>D10S1248*</u>	<u>D12S391*</u>	<u>D13S317</u>	<u>D16S539</u>	<u>D18S51</u>
1	14,16			11,11	12,14	13,22
2	14,15			13,13	12,13	15,19
3	14,15			13,13	12,13	15,19
4-Blood	14,16			11,11	12,14	13,22
4-Semen	11,12			11,14	10,12	11,19

<u>Item</u>	<u>D19S433</u>	<u>D21S11</u>	<u>D22S1045*</u>	<u>Amelogenin</u>	<u>CSF1PO</u>	<u>FGA</u>
1	14,16	30,31.2		X,X	11,12	25,25
2	12,13	29,31		X,Y	10,12	25,25
3	12,13	29,31		X,Y	10,12	25,25
4-Blood	14,16	30,31.2		X,X	11,12	25,25
4-Semen	15,16	32.2,33.2		X,Y	11,11	21,24

<u>Item</u>	<u>Penta D</u>	<u>Penta E</u>	<u>SE33*</u>	<u>TH01</u>	<u>TPOX</u>	<u>vWA</u>
1	13,13	7,12		9.3,10	8,10	17,18
2	10,13	5,14		7,8	8,11	16,16
3	10,13	5,14		7,8	8,11	16,16
4-Blood	13,13	7,12		9.3,10	8,10	17,18
4-Semen	12,13	5,18		7,9	11,11	16,18

YSTR Results

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

<u>Item</u>	<u>DYS19</u>	<u>DYS385</u>	<u>DYS389-I</u>	<u>DYS389-II</u>	<u>DYS390</u>	<u>DYS391</u>	<u>DYS392</u>	<u>DYS393</u>
2	15	16,17	13	31	21	10	11	13
3	15	16,17	13	31	21	10	11	13
4-Semen	14	13,14	12	28	23	10	11	13

<u>Item</u>	<u>DYS437</u>	<u>DYS438</u>	<u>DYS439</u>	<u>DYS448</u>	<u>DYS456</u>	<u>DYS458</u>	<u>DYS481</u>	<u>DYS533</u>
2	14	11	12	20	15	16	28	11
3	14	11	12	20	15	16	28	11
4-Semen	16	10	11	20	14	16	27	11

<u>Item</u>	<u>DYS549</u>	<u>DYS570</u>	<u>DYS576</u>	<u>DYS635</u>	<u>DYS643</u>	<u>Y GATA H4</u>	<u>Y Indel*</u>
2	11	21	15	21	15	12	
3	11	21	15	21	15	12	
4-Semen	13	21	17	21	11	12	

* Results were not received by a minimum of 10 participants for STR and YSTR loci indicated.

Release Date of Manufacturer's Information: 27-May-2014

Summary Comments

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

Of the 171 responding, 149 participants reported DNA interpretations. All of these participants excluded the victim (Item 1) and included the suspect (Item 2) as a possible contributor to the Item 3 stain. Additionally, all participants that reported interpretations included the victim (Item 1) and excluded the suspect (Item 2) as a possible contributor to the Item 4 mixture.

Eight participants reported allelic results that were inconsistent with the consensus/predistribution results. Seven reported additional alleles at a locus and one was missing an allele at a locus.

Amplification Kit(s) & STR Results

TABLE 1

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

Item 1

2BKGU3					<i>PowerPlex® 16</i>			
	1				15,15	11,13	9,11	
		14,16			11,11	12,14	13,22	
			30,31.2		X,X	11,12	25,25	
		13,13	7,12		9,3,10	8,10	17,18	
2CYWCB		<i>Identifiler®</i>						
	1		17		15	11,13	9,11	
		14,16			11	12,14	13,22	
		14,16	30,31.2		X	11,12	25	
					9,3,10	8,10	17,18	
2E6GZB		<i>Identifiler® Plus</i>						
	1		17		15	11,13	9,11	
		14,16			11	12,14	13,22	
		14,16	30,31.2		X	11,12	25	
					9,3,10	8,10	17,18	
2KA6RQ		<i>Identifiler®</i>						
	1		17		15	11,13	9,11	
		14,16			11	12,14	13,22	
		14,16	30,31.2		X	11,12	25	
					9,3,10	8,10	17,18	
2MHHBD		<i>Identifiler® Direct</i>						
	1		17		15	11,13	9,11	
		14,16			11	12,14	13,22	
		14,16	30,31.2		X,X	11,12	25	
					9,3,10	8,10	17,18	
2QXQWR					<i>PowerPlex® Fusion</i>			
	1	12,15.3	17	11, 15	15	11,13	9,11	
		14,16	13, 16	17,21	11	12,14	13,22	
		14,16	30,31.2	16	X	11,12	25	
		13	7,12		9,3,10	8,10	17,18	
2R76YR		<i>Identifiler®</i>						
	1		17		15	11,13	9,11	
		14,16			11	12,14	13,22	
		14,16	30,31.2		X	11,12	25	
					9,3,10	8,10	17,18	
2YQBUD					<i>PowerPlex® 16, HS</i>			
	1				15,15	11,13	9,11	
		14,16			11,11	12,14	13,22	
			30,31.2		X,X	11,12	25,25	
		13,13	7,12		9,3,10	8,10	17,18	
32ZLG9		<i>Identifiler® Plus</i>						
	1		17		15	11,13	9,11	
		14,16			11	12,14	13,22	
		14,16	30,31.2		X	11,12	25	
					9,3,10	8,10	17,18	

TABLE 1

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

Item 1

338KT3			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
38FBPG			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
3DMM63				<i>PowerPlex® HS</i>			
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
3RRRKV			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
49B6BR			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
4A6Q74			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
4DJJT3			<i>Identifiler®</i>			<i>Identifiler Plus</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
4J96QG			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
4LXJ9Z			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

4Y9RDD			<i>Identifiler®</i>			<i>Identifiler Direct</i>	
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
6GXCJV			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
6QBAH2			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
6TEEM9			<i>Identifiler® Identifiler Direct</i>				
	1	-	17	-	15	11,13	9,11
		14,16	-	-	11	12,14	13,22
		14,16	30,31.2	-	X,X	11,12	25
		-	-	-	9,3,10	8,10	17,18
6YFNX8			<i>Identifiler® Direct</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
77G3E3			<i>Identifiler® Plus</i>				
	1	NA	17,17	NA	15,15	11,13	9,11
		14,16	NA	NA	11,11	12,14	13,22
		14,16	30,31.2	NA	X,X	11,12	25,25
		NA	NA	NA	9,3,10	8,10	17,18
7XGPAT			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
7XL32V			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
7XQGEW			<i>COfiler® and Profiler Plus®</i>				
	1				15,15	11,13	9,11
		14,16			11,11		13,22
			30,31.2		X,X		25,25
							17,18

TABLE 1

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

Item 1

7YGMPV			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
8LLZRY			<i>Identifiler®</i>		<i>PowerPlex® 16 HS</i>		
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
8MZF7Z			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
8NDWHD			<i>Identifiler®</i>				
	1	/	17	/	15	11,13	9,11
		14,16	/	/	11	12,14	13,22
		14,16	30,31.2	/	X,X	11,12	25
		/	/	/	9.3,10	8,10	17,18
8Y4CZG			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
8YWGT3			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
92D7LD			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
93U3DD			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
98EDVM			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

9JVA4Y			<i>Identifiler® Plus</i>				
	1	NA	17,17	NA	15,15	11,13	9,11
		14,16	NA	NA	11,11	12,14	13,22
		14,16	30,31.2	NA	X,X	11,12	25,25
		NA	NA	NA	9.3,10	8,10	17,18
A4DHZQ			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
A4WNVX					<i>PowerPlex® 16</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
A7J4NQ			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
A7NH2Q			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
A9BZF7			<i>Identifiler® Identifiler Direct</i>				
	1	-	17	-	15	11,13	9,11
		14,16	-	-	11	12,14	13,22
		14,16	30,31.2	-	X,X	11,12	25
		-	-	-	9.3,10	8,10	17,18
AK6EGM			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
BA2JZ4			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
BC7HLW			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

BKHAHL			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
BLQQ96			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
BNKBFX			<i>COfiler® and Profiler Plus®</i>				
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
					9,3,10	8,10	17,18
BRHP69					<i>PowerPlex® 16 HS</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9,3,10	8,10	17,18
BTE86N			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
BVZ73J			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
C6Y78B						<i>GlobalFiler Kit</i>	
	1	12,15.3	17,17	11,15	15,15	11,13	9,11
		14,16	13,16	17,21	11,11	12,14	13,22
		14,16	30,31.2	16,16	X,X	11,12	25,25
				15,15	9,3,10	8,10	17,18
CECB7M			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
CGUBJG			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18

TABLE 1

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

Item 1

CHAG2R					<i>PowerPlex® 16</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
CM4DNX					<i>PowerPlex® Fusion Direct Amp</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
					9.3,10	8,10	17,18
CNCQ4E			<i>Identifiler® Plus</i>		<i>PowerPlex® 16 HS Direct</i>		
	1	N/A	17,17	N/A	15,15	11,13	9,11
		14,16	N/A	N/A	11,11	12,14	13,22
		14,16	30,31.2	N/A	X,X	11,12	25,25
		13,13	7,12	N/A	9.3,10	8,10	17,18
CQHBRE			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
D7TAHX			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
D7WRK3			<i>Identifiler® Direct</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
DELKRT			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
DFKLZ6			<i>Identifiler® Direct</i>				
	1	N/A	17,17	N/A	15,15	11,13	9,11
		14,16	N/A	N/A	11,11	12,14	13,22
		14,16	30,31.2	N/A	X,X	11,12	25,25
		N/A	N/A	N/A	9.3,10	8,10	17,18
DN9MRE			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

DP37Y9					<i>PowerPlex® HS</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9,3,10	8,10	17,18
E4NY8F		<i>COfiler® and Profiler Plus®</i>					
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
E8Y4Q3					<i>Identifiler® and Identifiler[sic] PLUS</i>		
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
E9YU4C					<i>PowerPlex® HS</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9,3,10	8,10	17,18
EHJAN7					<i>PowerPlex® PP16 & PP16HS</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9,3,10	8,10	17,18
EQAT4Z					<i>Identifiler® Plus</i>		
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
F4WHHW					<i>PowerPlex® HS</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X,X	11,12	25
		13	7,12		9,3,10	8,10	17,18
GBWCXA					<i>Identifiler® Plus</i>		
	1	-	17,17	-	15,15	11,13	9,11
		14,16	-	-	11,11	12,14	13,22
		14,16	30,31.2	-	X,X	11,12	25,25
		-	-	-	9,3,10	8,10	17,18
GJ7QRX					<i>PowerPlex® HS</i>		
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
		13,13	7,12		9,3,10	8,10	17,18

TABLE 1

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

Item 1

GJQGRB			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
GKZAZR			<i>COfiler® and Profiler Plus®</i>				
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
					9.3,10	8,10	17,18
GM3CLL					<i>PowerPlex® 16HS</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
H3BQFP			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
H84RH4						<i>SGM+</i>	
	1		17,17		15,15		
		14,16				12,14	13,22
		14,16	30,31.2		X,X		25,25
					9.3,10		17,18
HJM6Z9			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
HQJ638			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
HZAQAQ			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
J22VH4					<i>PowerPlex® 16 HS</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9.3,10	8,10	17,18

TABLE 1

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

Item 1

J2FF78			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
J86UVE			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
JHNCLZ					<i>PowerPlex® 16</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9.3,10	8,10	17,18
JKUWAZ					<i>PowerPlex® HS</i>		
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9.3,10	8,10	17,18
JNQKNM					<i>PowerPlex® 16</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
JNU2AZ			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
JUGXPB					<i>PowerPlex® Fusion</i>		
	1	12,15.3	17	11, 15	15	11,13	9,11
		14,16	13, 16	17,21	11	12,14	13,22
		14,16	30,31.2	16	X	11,12	25
		13	7,12		9.3,10	8,10	17,18
K4GXLE			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
KABWZB			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

KAPD3Q					<i>PowerPlex® 16</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
KBFGWX			<i>Identifiler® Plus</i>			<i>MiniFiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
KFU3TB			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
KKLELL			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
KLNU8Y			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
KMD9PH			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
KMHN3H					<i>PowerPlex® 21</i>		
	1	12,15.3	17,17		15,15	11,13	9,11
		14,16		17,21	11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
KN9TCG			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
LBZH9R			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

LDNXYM	1	<i>Identifiler® Plus</i>					
			17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
				9,3,10	8,10	17,18	
LLVLK9	1	<i>Identifiler® Plus</i>					
			17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
				9,3,10	8,10	17,18	
M79LMZ	1	<i>Identifiler® Plus</i>					
			17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
				9,3,10	8,10	17,18	
MF6QZF	1	<i>Identifiler® Plus</i>					
			17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
				9,3,10	8,10	17,18	
MGQZQ3	1	<i>Identifiler®</i>					
			17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
				9,3,10	8,10	17,18	
MHWMRV	1			<i>PowerPlex® 16 HS</i>			
					15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
	13	7,12		9,3,10	8,10	17,18	
MYMK23	1	<i>Identifiler® Plus</i>					
			17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
				9,3,10	8,10	17,18	
MZT8B2	1	<i>Identifiler® Plus</i>					
			17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
				9,3,10	8,10	17,18	
N23JJP	1	<i>Identifiler® Plus</i>					
			17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,[22]
		14,16	30,31.2		X,X	11,12	25,25
				9,3,10	8,10	17,18	

TABLE 1

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

Item 1

N9KTA8					<i>PowerPlex® Fusion</i>		
	1	12,15.3 14,16 14,16 13	17 13, 16 30,31.2 7,12	11, 15 17,21 16	15 11 X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25 17,18
NDFNT7			<i>Identifiler® Plus</i>				
	1	14,16 14,16	17 30,31.2		15 11 X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25 17,18
NVAJ2N			<i>Identifiler® Plus</i>				
	1	14,16 14,16	17,17 30,31.2		15,15 11,11 X,X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25,25 17,18
P87XTX			<i>Identifiler®</i>				
	1	not tested 14,16 14,16 not tested	17,17 not tested 30,31.2 not tested	not tested not tested not tested not tested	15,15 11,11 X,X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25,25 17,18
P9LV LX			<i>Identifiler®</i>				
	1	14,16 14,16	17,17 30,31.2		15,15 11,11 X,X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25,25 17,18
PCG3CK					<i>PowerPlex®</i>	<i>PowerPlex 16HS</i>	
	1	14,16 13,13	30,31.2 7,12		15,15 11,11 X,X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25,25 17,18
PFWBY Y			<i>Identifiler® Plus</i>				
	1	14,16 14,16	17 30,31.2		15 11 X,X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25 17,18
PMD4UV			<i>Identifiler® Plus</i>		<i>PowerPlex® Fusion</i>		
	1	12,15.3 14,16 14,16 13,13	17,17 13,16 30,31.2 7,12	11,15 17,21 16,16	15,15 11,11 X,X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25,25 17,18
Q2D3LY					<i>PowerPlex® 16 HS</i>		
	1	14,16 13	30,31.2 7,12		15 11 X 9,3,10	11,13 12,14 11,12 8,10	9,11 13,22 25 17,18

TABLE 1

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

Item 1

Q78XKK			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
Q7P4LW			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
QAE9NF			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
QBMHDR			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
QCVHN2					<i>PowerPlex® ESI/ESX</i>		
	1	12,15.3	17,17	11,15	15,15		
		14,16	13,16	17,21		12,14	13,22
		14,16	30,31.2	16,16	X,X		25,25
					9,3,10		17,18
QG8N7T			<i>Identifiler® Direct</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
QMGY3T			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
QT2WT2			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
QYVUKD			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18

TABLE 1

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

Item 1

QZHGR8			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
R9VNAW			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
RE2H4R			<i>Identifiler®</i>				
	1	-	17	-	15	11,13	9,11
		14,16	-	-	11	12,14	13,22
		14,16	30,31.2	-	X	11,12	25
		-	-	-	9.3,10	8,10	17,18
RMA8NH			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9.3,10	8,10	17,18
RMNPEG					<i>PowerPlex® 16</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9.3,10	8,10	17,18
RPFL6W					<i>PowerPlex® 21</i>		
	1	12,15.3	17,17	-	15,15	11,13	9,11
		14,16	-	17,21	11,11	12,14	13,22
		14,16	30,31.2	-	X,X	11,12	25,25
		13,13	7,12	-	9.3,10	8,10	17,18
RV49VV			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
RVJLLD			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18
T67Y24			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9.3,10	8,10	17,18

TABLE 1

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

Item 1

WebCode	Item	<i>Identifiler® Plus</i>		<i>Minifiler</i>			
T6REEK	1	17,17		15,15	11,13	9,11	
		14,16		11,11	12,14	13,22	
		14,16	30,31.2	X,X	11,12	25,25	
				9.3,10	8,10	17,18	
TFK328				<i>PowerPlex® 16</i>			
	1			15,15	11,13	9,11	
		14,16		11,11	12,14	13,22	
			30,31.2	X,X	11,12	25,25	
		13,13	7,12	9.3,10	8,10	17,18	
TK32ZV				<i>PowerPlex® 16HS</i>			
	1			15	11,13	9,11	
		14,16		11	12,14	13,22	
			30,31.2	X	11,12	25	
		13	7,12	9.3,10	8,10	17,18	
TWUKJ8				<i>Identifiler® Plus</i>			
	1		17,17	15,15	11,13	9,11	
		14,16		11,11	12,14	13,22	
		14,16	30,31.2	X,X	11,12	25,25	
				9.3,10	8,10	17,18	
U3RYD8				<i>Identifiler® Plus</i>			
	1		17	15	11,13	9,11	
		14,16		11	12,14	13,22	
		14,16	30,31.2	X	11,12	25	
				9.3,10	8,10	17,18	
U4QYLK				<i>Identifiler® Direct</i>			
	1		17	15	11,13	9,11	
		14,16		11	12,14	13,22	
		14,16	30,31.2	X	11,12	25	
				9.3,10	8,10	17,18	
UCPKRL				<i>Identifiler®</i>			
	1		17	15	11,13	9,11	
		14,16		11	12,14	13,22	
		14,16	30,31.2	X	11,12	25	
				9.3,10	8,10	17,18	
UJ7V6M				<i>Identifiler®</i>			
	1		17	15	11,13	9,11	
		14,16		11	12,14	13,22	
		14,16	30,31.2	X	11,12	25	
				9.3,10	8,10	17,18	
UNGZPA				<i>PowerPlex® 16</i>			
	1			15,15	11,13	9,11	
		14,16		11,11	12,14	13,22	
			30,31.2	X,X	11,12	25,25	
		13,13	7,12	9.3,10	8,10	17,18	

TABLE 1

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

Item 1

UPBUGD			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
V44TWE			<i>Identifiler® Plus</i>				
	1	NA	17,17	NA	15,15	11,13	9,11
		14,16	NA	NA	11,11	12,14	13,22
		14,16	30,31.2	NA	X,X	11,12	25,25
		NA	NA	NA	9,3,10	8,10	17,18
V8JHX3			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
VBMCYT			<i>Identifiler® Direct</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
VQZMN2			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
W9URK9					<i>PowerPlex® 16</i>		
	1				15,15	11,13	9,11
		14,16			11,11	12,14	13,22
			30,31.2		X,X	11,12	25,25
		13,13	7,12		9,3,10	8,10	17,18
WUEH7J			<i>Identifiler®</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
WVA3UJ			<i>Identifiler®</i>			<i>ID direct</i>	
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
X732ZF			<i>Identifiler® Plus</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25
					9,3,10	8,10	17,18

TABLE 1

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

Item 1

XEGBWM	1	<i>COfiler® and Profiler Plus®</i>		<i>Identifiler®</i>			
		14,16		17,17	15,15	11,13	9,11
		14,16	30,31.2		11,11	12,14	13,22
				X,X	11,12	25,25	
				9.3,10	8,10	17,18	
XF78M3	1			<i>Identifiler® Plus</i>			
		14,16		17,17	15,15	11,13	9,11
		14,16	30,31.2		11,11	12,14	13,22
				X,X	11,12	25,25	
				9.3,10	8,10	17,18	
XFCBQT	1			<i>Identifiler®</i>			
		14,16		17,17	15,15	11,13	9,11
		14,16	30,31.2		11,11	12,14	13,22
				X,X	11,12	25,25	
				9.3,10	8,10	17,18	
XFULZL	1			<i>Identifiler® Direct</i>			
		14,16		17	15	11,13	9,11
		14,16	30,31.2		11	12,14	13,22
				X	11,12	25	
				9.3,10	8,10	17,18	
XG8VDT	1			<i>Identifiler® Plus</i>			
		14,16		17,17	15,15	11,13	9,11
		14,16	30,31.2		11,11	12,14	13,22
				X,X	11,12	25,25	
				9.3,10	8,10	17,18	
XR423K	1					<i>PowerPlex® 16 HS</i>	
		14,16			15	11,13	9,11
			30,31.2		11	12,14	13,22
	13	7,12		X	11,12	25	
				9.3,10	8,10	17,18	
Y27JF9	1			<i>Identifiler® Plus</i>		<i>Minifiler</i>	
		14,16		17,17	15,15	11,13	9,11
		14,16	30,31.2		11,11	12,14	13,22
				X,X	11,12	25,25	
				9.3,10	8,10	17,18	
Y4RAGD	1			<i>Identifiler® and Identifiler Plus</i>			
		14,16		17,17	15,15	11,13	9,11
		14,16	30,31.2		11,11	12,14	13,22
				X,X	11,12	25,25	
				9.3,10	8,10	17,18	
Y8CEWM	1					<i>PowerPlex® 16 HS</i>	
		14,16			15	11,13	9,11
			30,31.2		11	12,14	13,22
	13	7,12		X	11,12	25	
				9.3,10	8,10	17,18	

TABLE 1

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

Item 1

YJR6ZY			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
YWDJ2D			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
YWG24H			<i>Identifiler® Direct</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
YYJ6PD			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
Z7Y6JG				<i>PowerPlex® 16</i>			
	1				15	11,13	9,11
		14,16			11	12,14	13,22
			30,31.2		X	11,12	25
		13	7,12		9,3,10	8,10	17,18
ZH63JA			<i>Identifiler®</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
ZLQXDU			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18
ZPPELH			<i>Identifiler® Direct</i>				
	1		17		15	11,13	9,11
		14,16			11	12,14	13,22
		14,16	30,31.2		X	11,12	25
					9,3,10	8,10	17,18
ZX62CD			<i>Identifiler® Plus</i>				
	1		17,17		15,15	11,13	9,11
		14,16			11,11	12,14	13,22
		14,16	30,31.2		X,X	11,12	25,25
					9,3,10	8,10	17,18

TABLE 1

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

Item 2

2BKGU3					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
2CYWCB			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2E6GZB			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2KA6RQ			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2MHHBD			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2QXQWR					<i>PowerPlex® Fusion</i>		
	2	13,14	19,26	10,13	16,17	7,8	9,11
		14,15	12,15	18,19	13	12,13	15,19
		12,13	29,31	15,18	X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
2R76YR			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2YQBUD					<i>PowerPlex® 16, HS</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
32ZLG9			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16

TABLE 1

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

Item 2

338KT3			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
38FBPG			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
3DMM63				<i>PowerPlex® HS</i>			
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
3RRRKV			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
49B6BR			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
4A6Q74			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
4DJJT3			<i>Identifiler®</i>			<i>Identifiler Plus</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
4J96QG			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
4LXJ9Z			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

4Y9RDD			<i>Identifiler®</i>			<i>Identifiler Direct</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
6GXCV			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
6QBAH2			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
6TEEM9			<i>Identifiler® Identifiler Direct</i>				
	2	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25
		-	-	-	7,8	8,11	16
6YFNX8			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
77G3E3			<i>Identifiler® Plus</i>				
	2	NA	19,26	NA	16,17	7,8	9,11
		14,15	NA	NA	13,13	12,13	15,19
		12,13	29,31	NA	X,Y	10,12	25,25
		NA	NA	NA	7,8	8,11	16,16
7XGPAT			<i>Identifiler®</i>			<i>Identifiler[sic] Plus, Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
7XL32V			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
7XQGEW			<i>COfiler® and Profiler Plus®</i>				
	2				16,17	7,8	9,11
		14,15			13,13		15,19
			29,31		X,Y		25,25
							16,16

TABLE 1

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

Item 2

7YGMPV			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
8LLZRY			<i>Identifiler®</i>		<i>PowerPlex® 16 HS</i>		
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
8MZF7Z			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
8NDWHD			<i>Identifiler®</i>				
	2	/	19,26	/	16,17	7,8	9,11
		14,15	/	/	13	12,13	15,19
		12,13	29,31	/	X,Y	10,12	25
		/	/	/	7,8	8,11	16
8Y4CZG			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
8YWGT3			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
92D7LD			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
93U3DD			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
98EDVM			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

9JVA4Y			<i>Identifiler® Plus</i>				
	2	NA	19,26	NA	16,17	7,8	9,11
		14,15	NA	NA	13,13	12,13	15,19
		12,13	29,31	NA	X,Y	10,12	25,25
		NA	NA	NA	7,8	8,11	16,16
A4DHZQ			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
A4WNVX					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
A7J4NQ			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
A7NH2Q			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
A9BZF7			<i>Identifiler® Identifiler Direct</i>				
	2	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25
		-	-	-	7,8	8,11	16
AK6EGM			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BA2JZ4			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
BC7HLW			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

BKHAHL			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BLQQ96			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BNKBFX			<i>COfiler® and Profiler Plus®</i>				
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
					7,8	8,11	16
BRHP69					<i>PowerPlex® 16 HS</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
BTE86N			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BVZ73J			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
C6Y78B						<i>GlobalFiler</i>	
	2	13,14	19,26	10,13	16,17	7,8	9,11
		14,15	12,15	18,19	13,13	12,13	15,19
		12,13	29,31	15,18	X,Y	10,12	25,25
				19,21	7,8	8,11	16,16
CECB7M			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
CGUBJG			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

CHAG2R					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
CM4DNX					<i>PowerPlex® Fusion Direct Amp</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
					7,8	8,11	16
CNCQ4E			<i>Identifiler® Plus</i>		<i>PowerPlex® 16 HS Direct</i>		
	2	N/A	19,26	N/A	16,17	7,8	9,11
		14,15	N/A	N/A	13,13	12,13	15,19
		12,13	29,31	N/A	X,Y	10,12	25,25
		10,13	5,14	N/A	7,8	8,11	16,16
CQHBRE			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
D7TAHX			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
D7WRK3			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
DELKRT			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
DFKLZ6			<i>Identifiler® Direct</i>				
	2	N/A	19,26	N/A	16,17	7,8	9,11
		14,15	N/A	N/A	13,13	12,13	15,19
		12,13	29,31	N/A	X,Y	10,12	25,25
		N/A	N/A	N/A	7,8	8,11	16,16
DN9MRE			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16

TABLE 1

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

Item 2

DP37Y9					<i>PowerPlex® HS</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
E4NY8F		<i>COfiler® and Profiler Plus®</i>					
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
E8Y4Q3					<i>Identifiler® and Identifiler[sic] PLUS</i>		
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
E9YU4C					<i>PowerPlex® HS</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
EHJAN7					<i>PowerPlex® PP16 & PP16HS</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
EQAT4Z					<i>Identifiler® Plus</i>		
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
F4WHHW					<i>PowerPlex® HS</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
GBWCXA					<i>Identifiler® Plus</i>		
	2	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13,13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25,25
		-	-	-	7,8	8,11	16,16
GJ7QRX					<i>Identifiler®</i>		
	2		19,26		<i>PowerPlex® HS</i>		
		14,15			16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
		10,13	5,14		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

GJQGRB			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
GKZAZR		<i>COfiler® and Profiler Plus®</i>					
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
					7,8	8,11	16
GM3CLL				<i>PowerPlex® 16HS</i>			
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
H3BQFP			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
H84RH4						<i>SGM+</i>	
	2		19,26		16,17		
		14,15				12,13	15,19
		12,13	29,31		X,Y		25,25
					7,8		16,16
HJM6Z9			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
HQJ638			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
HZAQAQ			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
J22VH4				<i>PowerPlex® 16 HS</i>			
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16

TABLE 1

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

Item 2

J2FF78			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
J86UVE			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
JHNCLZ					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
JKUWAZ					<i>PowerPlex® HS</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
JNQKNM					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
JNU2AZ			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
JUGXPB					<i>PowerPlex® Fusion</i>		
	2	13,14	19,26	10,13	16,17	7,8	9,11
		14,15	12,15	18,19	13	12,13	15,19
		12,13	29,31	15,18	X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
K4GXLE			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KABWZB			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

KAPD3Q					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
KBFGWX			<i>Identifiler® Plus</i>			<i>MiniFiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KFU3TB			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KKLELL			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
KLNU8Y			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KMD9PH			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KMHN3H					<i>PowerPlex® 21</i>		
	2	13,14	19,26		16,17	7,8	9,11
		14,15		18,19	13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
KN9TCG			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
LBZH9R			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

LDNXYM			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
LLVLK9			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
M79LMZ			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
MF6QZF			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
MGQZQ3			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
MHWMRV					<i>PowerPlex® 16 HS</i>		
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
MYMK23			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
MZT8B2			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
N23JJP			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

N9KTA8					<i>PowerPlex® Fusion</i>		
	2	13,14 14,15 12,13 10,13	19,26 12,15 29,31 5,14	10,13 18,19 15,18	16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
NDFNT7			<i>Identifiler® Plus</i>				
	2	14,15 12,13	19,26 29,31		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
NVAJ2N			<i>Identifiler® Plus</i>				
	2	14,15 12,13	19,26 29,31		16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
P87XTX			<i>Identifiler®</i>				
	2	not tested 14,15 12,13 not tested	19,26 not tested 29,31 not tested	not tested not tested not tested not tested	16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
P9LV LX			<i>Identifiler®</i>				
	2	14,15 12,13	19,26 29,31		16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
PCG3CK					<i>PowerPlex®</i>	<i>PowerPlex[sic] 16HS</i>	
	2	14,15 10,13	29,31 5,14		16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
PFWBY Y			<i>Identifiler® Plus</i>				
	2	14,15 12,13	19,26 29,31		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
PMD4UV			<i>Identifiler® Plus</i>		<i>PowerPlex® Fusion</i>		
	2	13,14 14,15 12,13 10,13	19,26 12,15 29,31 5,14	10,13 18,19 15,18	16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
Q2D3LY					<i>PowerPlex® 16 HS</i>		
	2	14,15 10,13	29,31 5,14		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16

TABLE 1

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

Item 2

Q78XKK			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
Q7P4LW			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QAE9NF			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
QBMHDR			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QCVHN2					<i>PowerPlex® ESX/ESI</i>		
	2	13,14	19,26	10,13	16,17		
		14,15	12,15	18,19		12,13	15,19
		12,13	29,31	15,18	X,Y		25,25
					7,8		16,16
QG8N7T			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
QMGY3T			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QT2WT2			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QYVUKD			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16

TABLE 1

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

Item 2

QZHGR8			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
R9VNAW			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
RE2H4R			<i>Identifiler®</i>				
	2	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25
		-	-	-	7,8	8,11	16
RMA8NH			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
RMNPEG					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
RPFL6W					<i>PowerPlex® 21</i>		
	2	13,14	19,26	-	16,17	7,8	9,11
		14,15	-	18,19	13,13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25,25
		10,13	5,14	-	7,8	8,11	16,16
RV49VV			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
RVJLLD			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
T67Y24			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

WebCode	Item	<i>Identifiler® Plus</i>			<i>Minifiler</i>		
T6REEK	2	19,26			16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
TFK328	2				<i>PowerPlex® 16</i>		
		14,15			16,17	7,8	9,11
			29,31		13,13	12,13	15,19
		10,13	5,14		X,Y	10,12	25,25
					7,8	8,11	16,16
TK32ZV	2				<i>PowerPlex® 16HS</i>		
		14,15			16,17	7,8	9,11
			29,31		13	12,13	15,19
		10,13	5,14		X,Y	10,12	25
					7,8	8,11	16
TWUKJ8	2				<i>Identifiler® Plus</i>		
		14,15	19,26		16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
					X,Y	10,12	25,25
					7,8	8,11	16,16
U3RYD8	2				<i>Identifiler® Plus</i>		
		14,15	19,26		16,17	7,8	9,11
		12,13	29,31		13	12,13	15,19
					X,Y	10,12	25
					7,8	8,11	16
U4QYLK	2				<i>Identifiler® Direct</i>		
		14,15	19,26		16,17	7,8	9,11
		12,13	29,31		13	12,13	15,19
					X,Y	10,12	25
					7,8	8,11	16
UCPKRL	2				<i>Identifiler®</i>		
		14,15	19,26		16,17	7,8	9,11
		12,13	29,31		13	12,13	15,19
					X,Y	10,12	25
					7,8	8,11	16
UJ7V6M	2				<i>Identifiler®</i>		
		14,15	19,26		16,17	7,8	9,11
		12,13	29,31		13	12,13	15,19
					X,Y	10,12	25
					7,8	8,11	16
UNGZPA	2				<i>PowerPlex® 16</i>		
		14,15			16,17	7,8	9,11
			29,31		13,13	12,13	15,19
		10,13	5,14		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 2

UPBUGD			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
V44TWE			<i>Identifiler® Plus</i>				
	2	NA	19,26	NA	16,17	7,8	9,11
		14,15	NA	NA	13,13	12,13	15,19
		12,13	29,31	NA	X,Y	10,12	25,25
		NA	NA	NA	7,8	8,11	16,16
V8JHX3			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
VBMCYT			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
VQZMN2			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
W9URK9					<i>PowerPlex® 16</i>		
	2				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
WUEH7J			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
WVA3UJ			<i>Identifiler®</i>			<i>ID direct</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
X732ZF			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16

TABLE 1

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

Item 2

XEGBWM	2	<i>COfiler® and Profiler Plus®</i>		<i>Identifiler®</i>			
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
				X,Y	10,12	25,25	
				7,8	8,11	16,16	
XF78M3	2			<i>Identifiler® Plus</i>			
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
				X,Y	10,12	25,25	
				7,8	8,11	16,16	
XFQBQT	2			<i>Identifiler®</i>			
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
				X,Y	10,12	25,25	
				7,8	8,11	16,16	
XFULZL	2			<i>Identifiler® Direct</i>			
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13	12,13	15,19
				X,Y	10,12	25	
				7,8	8,11	16	
XG8VDT	2			<i>Identifiler® Plus</i>			
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
				X,Y	10,12	25,25	
				7,8	8,11	16,16	
XR423K	2			<i>PowerPlex® 16 HS</i>			
			14,15		16,17	7,8	9,11
			29,31		13	12,13	15,19
	10,13	5,14		X,Y	10,12	25	
				7,8	8,11	16	
Y27JF9	2			<i>Identifiler® Plus</i>		<i>Minifiler</i>	
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
				X,Y	10,12	25,25	
				7,8	8,11	16,16	
Y4RAGD	2			<i>Identifiler® and Identifiler Plus</i>			
			14,15	19,26	16,17	7,8	9,11
		12,13	29,31		13,13	12,13	15,19
				X,Y	10,12	25,25	
				7,8	8,11	16,16	
Y8CEWM	2			<i>PowerPlex® 16 HS</i>			
			14,15		16,17	7,8	9,11
			29,31		13	12,13	15,19
	10,13	5,14		X,Y	10,12	25	
				7,8	8,11	16	

TABLE 1

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

Item 2

YJR6ZY			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
YWDJ2D			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
YWG24H			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
YYJ6PD			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
Z7Y6JG				<i>PowerPlex® 16</i>			
	2				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
ZH63JA			<i>Identifiler®</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
ZLQXDU			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
ZPPELH			<i>Identifiler® Direct</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
ZX62CD			<i>Identifiler® Plus</i>				
	2		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

2BKGU3					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
2E6GZB			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2KA6RQ			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2MHHBD			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2QXQWR					<i>PowerPlex® Fusion</i>		
	3	13,14	19,26	10,13	16,17	7,8	9,11
		14,15	12,15	18,19	13	12,13	15,19
		12,13	29,31	15,18	X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
2R76YR			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
2YQBUD					<i>PowerPlex® 16, HS</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
32ZLG9			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
338KT3			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

38FBPG			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
3DMM63					<i>PowerPlex® HS</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
3RRRKV			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
49B6BR			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
4A6Q74			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
4DJJT3			<i>Identifiler®</i>			<i>Identifiler Plus</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
4J96QG			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
4LXJ9Z			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
6QBAH2			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16

TABLE 1

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

Item 3

6TEEM9			<i>Identifiler® Identifiler Plus</i>				
	3	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25
		-	-	-	7,8	8,11	16
77G3E3			<i>Identifiler® Plus</i>				
	3	NA	19,26	NA	16,17	7,8	9,11
		14,15	NA	NA	13,13	12,13	15,19
		12,13	29,31	NA	X,Y	10,12	25,25
		NA	NA	NA	7,8	8,11	16,16
7XGPAT			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
7XL32V			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
7XQGEW		<i>COfiler® and Profiler Plus®</i>					
	3				16,17	7,8	9,11
		14,15			13,13		15,19
			29,31		X,Y		25,25
							16,16
7YGMPV			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
8LLZRY			<i>Identifiler®</i>		<i>PowerPlex® 16 HS</i>		
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
8MZF7Z			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
8NDWHD			<i>Identifiler®</i>				
	3	/	19,26	/	16,17	7,8	9,11
		14,15	/	/	13	12,13	15,19
		12,13	29,31	/	X,Y	10,12	25
		/	/	/	7,8	8,11	16

TABLE 1

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

Item 3

8Y4CZG			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
8YWGT3			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
92D7LD			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
93U3DD			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
98EDVM			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
9JVA4Y			<i>Identifiler® Plus</i>				
	3	NA	19,26	NA	16,17	7,8	9,11
		14,15	NA	NA	13,13	12,13	15,19
		12,13	29,31	NA	X,Y	10,12	25,25
		NA	NA	NA	7,8	8,11	16,16
A4DHZQ			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
A4WNVX					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
A7J4NQ			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

A7NH2Q			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
A9BZF7			<i>Identifiler® Identifiler Plus</i>				
	3	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25
		-	-	-	7,8	8,11	16
AK6EGM			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BC7HLW			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BKHAHL			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BLQQ96			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
BNKBFX			<i>COfiler® and Profiler Plus®</i>				
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
					7,8	8,11	16
BRHP69					<i>PowerPlex® 16 HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
BTE86N			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

BVZ73J			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
C6Y78B						<i>GlobalFiler</i>	
	3	13,14	19,26	10,13	16,17	7,8	9,11
		14,15	12,15	18,19	13,13	12,13	15,19
		12,13	29,31	15,18	X,Y	10,12	25,25
				19,21	7,8	8,11	16,16
CECB7M			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
CGUBJG			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
CHAG2R					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
CM4DNX			<i>COfiler® and Profiler Plus®</i>				
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
					7,8	8,11	16
CQHBRE			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
D7TAHX			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
DELKRT			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

DN9MRE			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
DP37Y9					<i>PowerPlex® HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
E4NY8F					<i>COfiler® and Profiler Plus®</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
E8Y4Q3					<i>Identifiler® and Identifiler[sic] PLUS</i>		
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
E9YU4C					<i>PowerPlex® HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
EHJAN7					<i>PowerPlex® PP16 & PP16HS</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
EQAT4Z					<i>Identifiler® Plus</i>		
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
F4WHHW					<i>COfiler® and Profiler Plus®</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
					7,8	8,11	16
GBWCXA					<i>Identifiler® Plus</i>		
	3	-	19,26	-	16,17	7,8	9,11
		14,15	-	-	13,13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25,25
		-	-	-	7,8	8,11	16,16

TABLE 1

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

Item 3

GJ7QRX	3	<i>Identifiler®</i>		<i>PowerPlex® HS</i>			
			19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
GJQGRB	3	<i>Identifiler® Plus</i>					
			19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
GKZAZR	3	<i>COfiler® and Profiler Plus®</i>					
					16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
GM3CLL	3			<i>PowerPlex® 16HS</i>			
					16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
H3BQFP	3	<i>Identifiler®</i>					
			19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
H84RH4	3			<i>SGM+</i>			
			19,26		16,17		
		14,15				12,13	15,19
		12,13	29,31		X,Y		25,25
HJM6Z9	3	<i>Identifiler®</i>					
			19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
HQJ638	3	<i>Identifiler® Plus</i>					
			19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
HZAAQAQ	3	<i>Identifiler® Plus</i>					
			19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
			7,8	8,11	16		

TABLE 1

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

Item 3

J22VH4					<i>PowerPlex® 16 HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
J2FF78			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
J86UVE			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
JKUWAZ					<i>PowerPlex® HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
JNQKNM					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
JNU2AZ			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
JUGXPB					<i>PowerPlex® Fusion</i>		
	3	13,14	19,26	10,13	16,17	7,8	9,11
		14,15	12,15	18,19	13	12,13	15,19
		12,13	29,31	15,18	X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
K4GXLE			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KABWZB			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

KAPD3Q					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
KBFGWX			<i>Identifiler® Plus</i>			<i>MiniFiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KFU3TB			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KKLELL			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
KLNU8Y			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KMD9PH			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
KMHN3H					<i>PowerPlex® 21</i>		
	3	13,14	19,26		16,17	7,8	9,11
		14,15		18,19	13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
KN9TCG			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
LBZH9R			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

LDNXYM			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
LLVLK9			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
M79LMZ			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
MF6QZF			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
MGQZQ3			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
MHWMRV					<i>PowerPlex® 16 HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
MYMK23			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
MZT8B2			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
N23JJP			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

N9KTA8					<i>PowerPlex® Fusion</i>		
	3	13,14 14,15 12,13 10,13	19,26 12,15 29,31 5,14	10,13 18,19 15,18	16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
NDFNT7			<i>Identifiler® Plus</i>				
	3	14,15 12,13	19,26 29,31		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
NVAJ2N			<i>Identifiler® Plus</i>				
	3	14,15 12,13	19,26 29,31		16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
P87XTX			<i>Identifiler®</i>				
	3	not tested 14,15 12,13 not tested	19,26 not tested 29,31 not tested	not tested not tested not tested not tested	16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
PCG3CK					<i>PowerPlex®</i>	<i>PowerPlex 16HS</i>	
	3	14,15 10,13	29,31 5,14		16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
PFWBYY			<i>Identifiler® Plus</i>				
	3	14,15 12,13	19,26 29,31		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
PMD4UV			<i>Identifiler® Plus</i>		<i>PowerPlex® Fusion</i>		
	3	13,14 14,15 12,13 10,13	19,26 12,15 29,31 5,14	10,13 18,19 15,18	16,17 13,13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25,25 16,16
Q2D3LY					<i>PowerPlex® 16 HS</i>		
	3	14,15 10,13	29,31 5,14		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16
Q78XKK			<i>Identifiler® Plus</i>				
	3	[13],14,15 12,13	19,26 29,31		16,17 13 X,Y 7,8	7,8 12,13 10,12 8,11	9,11 15,19 25 16

TABLE 1

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

Item 3

Q7P4LW			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QAE9NF			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
QBMHDR			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QCVHN2					<i>PowerPlex® ESI/ESX</i>		
	3	13,14	19,26	10,13	16,17		
		14,15	12,15	18,19		12,13	15,19
		12,13	29,31	15,18	X,Y		25,25
					7,8		16,16
QMGY3T			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QT2WT2			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
QZHGR8			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
R9VNAW			<i>Identifiler® Plus</i>			<i>MiniFiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
RMA8NH			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16

TABLE 1

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

Item 3

RMNPEG					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
RPFL6W					<i>PowerPlex® 21</i>		
	3	13,14	19,26	-	16,17	7,8	9,11
		14,15	-	18,19	13,13	12,13	15,19
		12,13	29,31	-	X,Y	10,12	25,25
		10,13	5,14	-	7,8	8,11	16,16
RV49VV							
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
RVJLLD			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
T67Y24			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
T6REEK			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
TFK328					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
TK32ZV					<i>PowerPlex® 16HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
TWUKJ8			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 3

U3RYD8			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
UCPKRL			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
UJ7V6M			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
UNGZPA					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16
UPBUGD			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
V44TWE			<i>Identifiler® Plus</i>				
	3	NA	19,26	NA	16,17	7,8	9,11
		14,15	NA	NA	13,13	12,13	15,19
		12,13	29,31	NA	X,Y	10,12	25,25
		NA	NA	NA	7,8	8,11	16,16
V8JHX3			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
VQZMN2			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
W9URK9					<i>PowerPlex® 16</i>		
	3				16,17	7,8	9,11
		14,15			13,13	12,13	15,19
			29,31		X,Y	10,12	25,25
		10,13	5,14		7,8	8,11	16,16

TABLE 1

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

Item 3

WUEH7J			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
X732ZF			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
XEEBWM		<i>COfiler® and Profiler Plus®</i>	<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
XFCBQT			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
XG8VDT			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
XR423K					<i>PowerPlex® 16 HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16
Y27JF9			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
Y4RAGD			<i>Identifiler® and Identifiler Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
Y8CEWM					<i>PowerPlex® 16 HS</i>		
	3				16,17	7,8	9,11
		14,15			13	12,13	15,19
			29,31		X,Y	10,12	25
		10,13	5,14		7,8	8,11	16

TABLE 1

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

Item 3

YJR6ZY			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
YWDJ2D			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
YYJ6PD			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	3		19,26		16,17	7,8	9,11
		13,14,15			13	12,13	15,19
		12,13	29,31		X,Y	10,12	25
					7,8	8,11	16
ZH63JA			<i>Identifiler®</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
ZLQXDU			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16
ZX62CD			<i>Identifiler® Plus</i>				
	3		19,26		16,17	7,8	9,11
		14,15			13,13	12,13	15,19
		12,13	29,31		X,Y	10,12	25,25
					7,8	8,11	16,16

TABLE 1

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

Item 4e

2BKGU3					<i>PowerPlex® 16</i>		
	4e	11,12,[14],16	30,31.2,32.2,33.2		15,17,18	10,11,[13]	9,[10],[11]
		[12],13	5,[7],[12],18		11,[14]	[10],12,[14]	11,13,19,22
					X,[Y]	11,[12]	21,24,25
					7,9,[9.3],[10]	[8],[10],11	16,[17],18
2E6GZB					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		17,23	15,17,18	10,11,13
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
2KA6RQ					<i>Identifiler®</i>		
	4e	[11],[12],14,16	30,31.2,[32.2],[33.2]		17,[23]	15,[17],[18]	[10],11,13
		14,[15],16			11,[14]	[10],12,14	[11],13,[19],22
					X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,11	[16],17,18
2MHHBD					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		17,23	15,17,18	10,11,13
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
2QXQWR					<i>PowerPlex® Fusion</i>		
	4e	12,15,15.3,17	17,23	10,11,15	15,17,18	10,11,13	9,10,11
		11,12,14,16	13,14,16	17,21,22	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	11,16	X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
2R76YR					<i>Identifiler®</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		17,23	15,17,18	10,11,13
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
2YQBUD					<i>PowerPlex® 16, HS</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		12,13	5,7,12,18		11,11	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
32ZLG9					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		17,23	15,17,18	10,11,13
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
338KT3					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		17,23	15,17,18	10,11,13
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

38FBPG			<i>Identifiler®</i>				
	4e	11,12,14,16 14,15,16	17,[23]		15,[17],[18]	10,11,13	9,10,11
			30,31.2,[32.2],[33.2]		11,[14]	[10],12,14	11,13,19,22
					X,[Y]	11,12	[21],[24],25
					7,9,9.3,10	8,10,11	[16],17,18
3DMM63					<i>PowerPlex® HS</i>		
	4e	11,12,14,16			15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
		12,13	5,7,12,18		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
3RRRKV			<i>Identifiler® Plus</i>				
	4e	11,12,14,16 14,15,16	17,23		15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
49B6BR			<i>Identifiler® Plus</i>				
	4e	11,12,14,16 14,15,16	17,23		15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
4A6Q74			<i>Identifiler® Plus</i>				
	4e	11,12,14,16 14,15,16	17,23		15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
4DJJT3			<i>Identifiler®</i>			<i>Identifiler Plus</i>	
	4e	11,12,14,16 14,15,16	17,23		15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
4J96QG			<i>Identifiler®</i>				
	4e	11,12,14,16 14,15,16	17,[23]		15,[17],[18]	10,11,13	9,10,11
			30,31.2,[32.2],[33.2]		11,[14]	10,12,14	[11],13,[19],22
					X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,11	16,17,18
4LXJ9Z			<i>Identifiler® Plus</i>				
	4e	11,12,14,16 14,15,16	17,23		15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
6QBAH2			<i>Identifiler® Plus</i>				
	4e	11,12,14,16 14,15,16	17,23		15,17,18	10,11,13	9,10,11
			30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

6TEEM9		<i>Identifiler® Identifiler Plus</i>					
	4e	-	17,23	-	15,17,18	10,11,13	9,10,11
		11,12,14,16	-	-	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	-	X,Y	11,12	21,24,25
		-	-	-	7,9,9.3,10	8,10,11	16,17,18
77G3E3		<i>Identifiler® Plus</i>					
	4e	NA	17,23	NA	15,17,18	10,11,13	9,10,11
		11,12,14,16	NA	NA	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	NA	X,Y	11,12	21,24,25
		NA	NA	NA	7,9,9.3,10	8,10,11	16,17,18
7XGPAT		<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
7XL32V		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
7XQGEW		<i>COfiler® and Profiler Plus®</i>					
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14		11,13,19,22
			30,31.2,32.2,33.2		X,Y		21,24,25
							16,17,18
7YGMPV		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
8LLZRY		<i>Identifiler®</i>			<i>PowerPlex® 16 HS</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
8MZF7Z		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
8NDWHD		<i>Identifiler®</i>					
	4e	/	17	/	15	11,13	9,11
		14,16	/	/	11	12,14	13,22
		14,16	30,31.2	/	X,X	11,12	25
		/	/	/	9.3,10	8,10	17,18

TABLE 1

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

Item 4e

8Y4CZG		<i>Identifiler® Plus</i>					
	4e	[11],[12],14,16 14,[15],16	30,31.2,[32.2],[33.2]		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,13 [10],12,14 11,12 8,10,11	9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18
8YWGT3		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	30,31.2,32.2,33.2		15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18
92D7LD		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 [14],[15],16	30,31.2,32.2,33.2		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,[13] [10],12,[14] 11,[12] 8,10,11	9,[10],[11] [11],13,[19],22 [21],[24],25 [16],17,18
93U3DD		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 [14],[15],16	30,31.2,32.2,33.2		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,[13] [10],12,[14] 11,[12] 8,10,11	9,[10],[11] [11],13,[19],22 [21],[24],25 [16],[17],18
98EDVM		<i>Identifiler®</i>					
	4e	11,12,14,16 14,15,16	30,31.2,[32.2],[33.2]		15,[17],[18] 11,[14] X,[Y] 7,9,9.3,10	[10],11,13 [10],12,14 11,12 8,10,11	9,[10],11 11,13,19,22 [21],[24],25 [16],17,18
9JVA4Y		<i>Identifiler® Plus</i>					
	4e	NA 11,12,14,16 14,15,16 NA	17,23 NA 30,31.2,32.2,33.2 NA	NA NA NA NA	15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18
A4DHZQ		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	30,31.2,32.2,33.2		15,(17),(18) 11,11,(14) X,X,(Y) (7),9,9.3,10	10,11,13 (10),12,14 11,12 8,10,11	9,(10),11 11,13,19,22 (21),24,25 16,17,18
A4WNVX		<i>Identifiler® Plus</i>			<i>PowerPlex® 16</i>		
	4e	14,16 [12],13	30,31.2,[32.2],[33.2] 7,12		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,13 [10],12,14 11,[12] 8,10,[11]	9,[10],11 13,22 [21],[24],25 [16],17,18
A7J4NQ		<i>Identifiler® Plus</i>					
	4e	11,(12),14,16 14,15,16	30,31.2,32.2,(33.2)		15,15,(17),(18) 11,11,(14) X,X,(Y) 7,9,9.3,10	10,11,13 (10),12,14 11,12 8,10,11	9,(10),11 11,13,19,22 (21),(24),25 16,17,18

TABLE 1

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

Item 4e

A7NH2Q		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
A9BZF7		<i>Identifiler® Identifiler Plus</i>					
	4e	-	17,23	-	15,17,18	10,11,13	9,10,11
		11,12,14,16	-	-	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	-	X,Y	11,12	21,24,25
		-	-	-	7,9,9.3,10	8,10,11	16,17,18
AK6EGM		<i>Identifiler® Plus</i>					
	4e		17,23		15,16,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
BC7HLW		<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
BKHAHL		<i>Identifiler® Plus</i>					
	4e		17,17,[23]		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,X,[Y]	11,12	[21],[24],25,25
					[7],[9],9.3,10	8,10,11	16,17,18
BLQQ96		<i>Identifiler®</i>			<i>Identifiler Plus</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
BNKBFX		<i>COfiler® and Profiler Plus®</i>					
	4e				15,[17],[18]	[10],11,[13]	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
			30,31.2,[32.2],[33.2]		X,[Y]	11,[12]	[21],[24],25
					7,[9],9.3,10	8,10,11	[16],17,18
BRHP69					<i>PowerPlex® 16 HS</i>		
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
BTE86N		<i>Identifiler® Plus</i>					
	4e		17,17,(23)		15,15,(17),(18)	10,11,13	9,(10),11
		(11),(12),14,16			11,11,(14)	(10),12,14	(11),13,(19),22
		14,15,16	30,31.2,(32.2),(33.2)		X,X,(Y)	11,12	(21),(24),25,25
					(7,9),9.3,10	8,10,11	(16),17,18

TABLE 1

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

Item 4e

BVZ73J		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
C6Y78B		<i>GlobalFiler</i>					
	4e	12,15.3	17,17	11,15	15,15	11,13	9,11
		14,16	13,16	17,21	11,11	12,14	13,22
		14,16	30,31.2	16,16	X,X	11,12	25,25
				15,15	9.3,10	8,10	17,18
CECB7M		<i>Identifiler®</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
CGUBJG		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
CHAG2R		<i>PowerPlex® 16</i>					
	4e				15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
			30,31.2,[32.2],[33.2]		X,[Y]	11,[12]	[21],[24],25
		[12],13	[5],7,12,[18]		[7],[9],9.3,10	8,10,11	[16],17,18
CM4DNX		<i>COfiler® and Profiler Plus®</i>					
	4e				15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
			30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,11	[16],17,18
CQHBRE		<i>Identifiler®</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
D7TAHX		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
DELKRT		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

DN9MRE		<i>Identifiler®</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
DP37Y9				<i>PowerPlex® HS</i>			
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
E4NY8F		<i>COfiler® and Profiler Plus®</i>					
	4e				15,(17,18)	(10),11,13	9,(10),11
		(11,12),14,16			11,(14)	(10),12,14	(11),13,(19),22
			30,31.2,(32.2,33.2)		X,Y	11,12	(21,24),25
					(7,9),9.3,10	8,10,(11)	(16),17,18
E8Y4Q3		<i>Identifiler® and Identifiler[sic] PLUS</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
E9YU4C				<i>PowerPlex® HS</i>			
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
EHJAN7				<i>PowerPlex® PP16 & PP16HS</i>			
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
EQAT4Z		<i>Identifiler®</i>				<i>Identifiler Plus</i>	
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
F4WHHW		<i>COfiler® and Profiler Plus®</i>					
	4e				15,(17,18)	(10),11,13	9,(10),11
		(11,12),14,16			11,(14)	(10),12,14	(11),13,(19),22
			30,31.2,(32.2,33.2)		X,(Y)	11,(12)	(21,24),25
					(7,9),9.3,10	8,10,11	(16),17,18
GBWCXA		<i>Identifiler® Plus</i>					
	4e	-	17,23	-	15,17,18	10,11,13	9,10,11
		11,12,14,16	-	-	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	-	X,Y	11,12	21,24,25
		-	-	-	7,9,9.3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

GJ7QRX			<i>Identifiler®</i>		<i>PowerPlex® HS</i>		
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,11	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		13,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
GJQGRB			<i>Identifiler® Plus</i>				
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	
GKZAZR			<i>COfiler® and Profiler Plus®</i>				
	4e				15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
			30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
				[7],[9],9.3,10	8,10,[11]	[16],17,18	
GM3CLL					<i>PowerPlex® 16HS</i>		
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
H3BQFP			<i>Identifiler®</i>				
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	
H84RH4						SGM+	
	4e		17,23		15,17,18		
		11,12,14,16				10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y		21,24,25
				7,9,9.3,10		16,17,18	
HJM6Z9			<i>Identifiler®</i>				
	4e		17,23		15,17,18	10,11,13	9,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	
HQJ638			<i>Identifiler® Plus</i>				
	4e		17,[23]		15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
		14,[15],16	30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
				[7],[9],9.3,10	8,10,11	[16],17,18	
HZAAQ			<i>Identifiler® Plus</i>				
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	

TABLE 1

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

Item 4e

J22VH4					<i>PowerPlex® 16 HS</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		12,13	5,7,12,18		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
J2FF78					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
J86UVE					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
JKUWAZ					<i>PowerPlex® HS</i>		
	4e	[11],[12],14,16	30,31.2,[32.2],[33.2]		15,[17],[18]	[10],11,13	9,[10],11
		[12],13	[5],7,12,[18]		11,[14]	[10],12,14	[11],13,[19],22
					X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,[11]	[16],17,18
JNQKNM					<i>PowerPlex® 16</i>		
	4e	[11],14,16	30,31.2,[32.2],[33.2]		15,[17],[18]	[10],11,13	9,[10],[11]
		[12],13	[5],7,12,[18]		11,[14]	[10],12,14	[11],13,[19],22
					X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,[11]	[16],17,18
JNU2AZ					<i>Identifiler®</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
JUGXPB					<i>PowerPlex® Fusion</i>		
	4e	12,15,15.3,17	17,23	10,11,15	15,17,18	10,11,13	9,10,11
		11,12,14,16	13,14,16	17,21,22	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	11,16	X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
K4GXLE					<i>Identifiler®</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
KABWZB					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

KAPD3Q					<i>PowerPlex® 16</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		12,13	5,7,12,18		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
KBFGWX			<i>Identifiler®</i>			<i>IdentifilerPLUS, MiniFiler</i>	
	4e	11,12,14,16	17,23		15,17,18	10,11,13	9,10,11
		14,15,16	30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
KFU3TB			<i>Identifiler® Plus</i>				
	4e	11,12,14,16	17,23		15,17,18	10,11,13	9,10,11
		14,15,16	30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
KKLELL			<i>Identifiler®</i>				
	4e	11,12,14,16	17,23		15,17,18	10,11,13	9,10,11
		14,15,16	30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
KLNU8Y			<i>Identifiler®</i>				
	4e	[11],[12],14,16	17,[23]		15,[17],[18]	10,11,13	9,[10],11
		14,15,16	30,31.2,[32.2],[33.2]		11,[14]	[10],12,14	[11],13,[19],22
					X,[Y]	11,12	[21],[24],25
					7,9,9.3,10	8,10,11	[16],17,18
KMD9PH			<i>Identifiler® Plus</i>				
	4e	11,12,14,16	17		15,17,18	10,11,13	9,10,11
		14,15,16	30,31.2,32.2,33.2		11,14	10,12,14	13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
KMHN3H					<i>PowerPlex® 21</i>		
	4e	12,15,15.3,17	17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16		17,21,22	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
KN9TCG			<i>Identifiler® Plus</i>				
	4e	11,12,14,16	17,23		15,17,18	10,11,13	9,10,11
		14,15,16	30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
LBZH9R			<i>Identifiler®</i>				
	4e	11,12,14,16	17,23		15,17,18	10,11,13	9,10,11
		14,15,16	30,31.2,32.2,33.2		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

LDNXYM		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
LLVLK9		<i>Identifiler® Plus</i>					
	4e		17,[23]		15,[17],[18]	10,11,13	9,[10],[11]
		[11],[12],14,16			11,[14]	[10],12,14	11,13,19,22
		14,[15],16	30,31.2,[32.2],[33.2]		X,[Y]	11,[12]	[21],[24],25
					[7],[9],9.3,10	8,10,11	[16],17,18
M79LMZ		<i>Identifiler® Plus</i>					
	4e		17,[23]		15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
		14,[15],16	30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,11	[16],17,18
MF6QZF		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
MGQZQ3		<i>Identifiler®</i>					
	4e		17,[23]		15,[17],[18]	10,11,13	9,[10],[11]
		11,12,14,16			11,[14]	10,12,14	11,13,19,22
		14,15,16	30,31.2,[32.2],[33.2]		X,[Y]	11,[12]	[21],[24],25
					7,9,9.3,10	8,10,11	16,17,18
MHWMRV				<i>PowerPlex® 16 HS</i>			
	4e				15,[17],[18]	[10],11,13	9,[10],11
		11,12,14,16			11,[14]	[10],12,14	[11],13,[19],22
			30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
		13	[5],7,12,[18]		7,9,9.3,10	8,10,[11]	[16],17,18
MYMK23		<i>Identifiler® Plus</i>					
	4e		17,[23]		15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
		14,[15],16	30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],24,25
					[7],[9],9.3,10	8,10,[11]	[16],17,18
MZT8B2		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
N23JJP		<i>Identifiler® Plus</i>					
	4e		17,[23]		15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
		14,[15],16	30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,[11]	[16],17,18

TABLE 1

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

Item 4e

N9KTA8	4e	<i>PowerPlex® Fusion</i>					
		12,15,15.3,17	17,23	10,11,15	15,17,18	10,11,13	9,10,11
		11,12,14,16	13,14,16	17,21,22	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	11,16	X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
NDFNT7	4e	<i>Identifiler® Plus</i>					
			17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	
NVAJ2N	4e	<i>Identifiler®</i>			<i>Identifiler[sic] Plus</i>		
			17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	
P87XTX	4e	<i>Identifiler®</i>					
		not tested	17,[23]	not tested	15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16	not tested	not tested	11,[14]	[10],12,14	[11],13,[19],22
		14,15,16	30,31.2,[32.2],[33.2]	not tested	X,[Y]	11,12	[21],[24],25
		not tested	not tested	[7],[9],9.3,10	8,10,[11]	[16],17,18	
PCG3CK	4e	<i>Identifiler® Plus</i>			<i>PowerPlex®</i>		
					15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
PFWBY	4e	<i>Identifiler® Plus</i>					
			17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	
PMD4UV	4e	<i>Identifiler® Plus</i>			<i>PowerPlex® Fusion</i>		
		12,15,15.3,17	17,23	10,11,15	15,17,18	10,11,13	9,10,11
		11,12,14,16	13,14,16	17,21,22	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	11,16	X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
Q2D3LY	4e	<i>Identifiler® Plus</i>					
					15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
Q78XKK	4e	<i>Identifiler® Plus</i>					
			17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
				7,9,9.3,10	8,10,11	16,17,18	

TABLE 1

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

Item 4e

Q7P4LW		<i>Identifiler® Plus</i>					
	4e	[11],[12],14,16 14,[15],16	30,31.2,[32.2],[33.2]		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,[13] [10],12,14 11,[12] 8,10,11	9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18
QAE9NF		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	30,31.2,32.2,33.2		15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18
QBMHDR		<i>Identifiler®</i>					
	4e	11,12,14,16 14,15,16	30,31.2,32.2,33.2		15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18
QCVHN2		<i>PowerPlex® ESI/ESX</i>					
	4e	12,15.3 11,12,14,16 14,16	17,23 13,16 30,31.2,33.2	10,11,15 17,21 16,16	15,17 X,X 7,9,9.3,10	10,12,14	11,13,19,22 21,24,25 17,18
QMGY3T		<i>Identifiler®</i>					
	4e	[11],[12],14,16 14,[15],16	30,31.2,[32.2],[33.2]		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,13 [10],12,14 11,12 8,10,11	9,10,11 [11],13,[19],22 [21],[24],25 [16],17,18
QT2WT2		<i>Identifiler®</i>					
	4e	[11],[12],14,16 14,[15],16	30,31.2,[32.2],[33.2]		15,[17],[18] 11,11,[14] X,[Y] [7],[9],9.3,10	[10],11,[13] [10],12,14 11,[12] 8,10,[11]	9,[10],11 [11],13,19,22 [21],[24],25,25 [16],17,18
QZHGR8		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,[15],16	30,31.2,[32.2],[33.2]		15,15,[17],[18] 11,11,[14] X,X,[Y] [7],[9],9.3,10	[10],11,13 [10],12,14 11,12 8,10,11	9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18
R9VNAW		<i>Identifiler® Plus</i>					
	4e	[11],[12],14,16 [14],[15],16	30,31.2,[32.2],[33.2]		15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,[13] [10],12,[14] 11,[12] 8,10,11	9,[10],[11] [11],13,[19],22 [21],[24],25 [16],[17],18
RMA8NH		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	30,31.2,32.2,33.2		15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18

TABLE 1

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

Item 4e

RMNPEG					<i>PowerPlex® 16</i>		
	4e	[11],[12],14,16	30,31.2,[32.2],[33.2]		15,[17],[18]	[10],11,13	9,[10],11
		[12],13	[5],7,12,[18]		11,[14]	[10],12,14	[11],13,[19],22
					X,[Y]	11,12	[21],[24],25
					7,9,9,3,10	8,10,11	[16],17,18
RPFL6W					<i>PowerPlex® 21</i>		
	4e	12,15.3	17,17	-	15,15	11,13	9,11
		14,16	-	17,21	11,11	12,14	13,22
		14,16	30,31.2	-	X,X	11,12	25,25
		13,13	7,12	-	9.3,10	8,10	17,18
RV49VV					<i>Identifiler®</i>		
	4e	[11],[12],14,16	30,31.2,[32.2],[33.2]		15,[17]	[10],11,13	9,[10],11
		14,[15],16			11,[14]	[10],12,14	[11],13,22
					X,[Y]	11,12	[21],[24],25
					[7],[9],9.3,10	8,10,[11]	[16],17,18
RVJLLD					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,13,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9,3,10	8,10,11	16,17,18
T67Y24					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9,3,10	8,10,11	16,17,18
T6REEK					<i>Identifiler® Plus</i>	<i>Minifiler</i>	
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9,3,10	8,10,11	16,17,18
TFK328					<i>PowerPlex® 16</i>		
	4e	12,14,16	30,31.2,32.2		15,17,18	10,11,13	9,10,11
		12,13	5,7,12,18		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9,3,10	8,10,11	16,17,18
TK32ZV					<i>PowerPlex® 16HS</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		12,13	5,7,12,18		11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9,3,10	8,10,11	16,17,18
TWUKJ8					<i>Identifiler® Plus</i>		
	4e	11,12,14,16	30,31.2,32.2,33.2		15,17,18	10,11,13	9,10,11
		14,15,16			11,14	10,12,14	11,13,19,22
					X,Y	11,12	21,24,25
					7,9,9,3,10	8,10,11	16,17,18

TABLE 1

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

Item 4e

U3RYD8		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
UCPKRL		<i>Identifiler®</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
UJ7V6M		<i>Identifiler®</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
UNGZPA		<i>PowerPlex® 16</i>					
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
			30,31.2,32.2,33.2		X,Y	11,12	21,24,25
		12,13	5,7,12,18		7,9,9.3,10	8,10,11	16,17,18
UPBUGD		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
V44TWE		<i>Identifiler® Plus</i>					
	4e	NA	17,23	NA	15,17,18	10,11,13	9,10,11
		11,12,14,16	NA	NA	11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2	NA	X,Y	11,12	21,24,25
		NA	NA	NA	7,9,9.3,10	8,10,11	16,17,18
V8JHX3		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,13,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
VQZMN2		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16			11,14	10,12,14	11,13,19,22
		14,15,16	30,31.2,32.2,33.2		X,Y	11,12	21,24,25
					7,9,9.3,10	8,10,11	16,17,18
W9URK9		<i>PowerPlex® 16</i>					
	4e				15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16			11,[14]	[10],12,14	[11],13,[19],22
			30,31.2,[32.2],[33.2]		X,[Y]	11,12	[21],[24],25
		[12],13	[5],7,12		[7],[9],9.3,10	8,10,[11]	[16],17,18

TABLE 1

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

Item 4e

WUEH7J		<i>Identifiler®</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,[14],[16] 14,15,16	30,31.2,32.2,33.2		11,14 X,Y 7,9,[9.3],[10]	10,12,14 11,12 8,10,11	11,[13],19,[22] 21,24,25 16,17,18
X732ZF		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16 14,15,16	30,31.2,32.2,33.2		11,14 X,Y 7,9,9.3,10	10,12,13,14 11,12 8,10,11	11,13,19,22 21,24,25 16,17,18
XEEBWM		<i>COfiler® and Profiler Plus®</i>	<i>Identifiler®</i>				
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16 14,15,16	30,31.2,32.2,33.2		11,14 X,Y 7,9,9.3,10	10,12,14 11,12 8,10,11	11,13,19,22 21,24,25 16,17,18
XFCBQT		<i>Identifiler®</i>					
	4e		17,17,[23]		15,15,17,18	10,11,13	9,10,11
		11,12,14,16 14,15,16	30,31.2,32.2,33.2		11,11,[14] X,X,[Y] 7,9,9.3,10	10,12,14 11,12 8,10,11	11,13,19,22 21,24,25,25 16,17,18
XG8VDT		<i>Identifiler® Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16 14,15,16	30,31.2,32.2,33.2		11,14 X,Y 7,9,9.3,10	10,12,14 11,12 8,10,11	11,13,19,22 21,24,25 16,17,18
XR423K				<i>PowerPlex® 16 HS</i>			
	4e				15,[17],[18]	[10],11,13	9,[10],11
		[11],[12],14,16 [12],13	30,31.2,[32.2],[33.2] [5],7,12,[18]		11,[14] X,[Y] [7],[9],9.3,10	[10],12,14 11,12 8,10,11	[11],13,[19],22 [21],[24],25 [16],17,18
Y27JF9		<i>Identifiler® Plus</i>				<i>Minifiler</i>	
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16 14,15,16	30,31.2,32.2,33.2		11,14 X,Y 7,9,9.3,10	10,12,14 11,12 8,10,11	11,13,19,22 21,24,25 16,17,18
Y4RAGD		<i>Identifiler® and Identifiler Plus</i>					
	4e		17,23		15,17,18	10,11,13	9,10,11
		11,12,14,16 14,15,16	30,31.2,32.2,33.2		11,14 X,Y 7,9,9.3,10	10,12,14 11,12 8,10,11	11,13,19,22 21,24,25 16,17,18
Y8CEWM				<i>PowerPlex® 16 HS</i>			
	4e				15,17,18	10,11,13	9,10,11
		11,12,14,16 12,13	30,31.2,32.2,33.2 5,7,12,18		11,14 X,Y 7,9,9.3,10	10,12,14 11,12 8,10,11	11,13,19,22 21,24,25 16,17,18

TABLE 1

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

Item 4e

YJR6ZY		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	17,23 30,31.2,32.2,33.2	15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 13,19,22 21,24,25 16,17,18	
YWDJ2D		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	17,23 30,31.2,32.2,33.2	15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18	
YYJ6PD		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4e	11,12,14,16 14,15,16	17,23 30,31.2,32.2,33.2	15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18	
ZH63JA		<i>Identifiler®</i>					
	4e	11,12,14,16 14,15,16	17,23 30,31.2,32.2,33.2	15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18	
ZLQXDU		<i>Identifiler® Plus</i>					
	4e	11,12,14,16 14,15,16	17,23 30,31.2,32.2,33.2	15,17,18 11,14 X,Y 7,9,9.3,10	10,11,13 10,12,14 11,12 8,10,11	9,10,11 11,13,19,22 21,24,25 16,17,18	
ZX62CD		<i>Identifiler® Plus</i>					
	4e	[11],[12],14,16 [14],[15],16	17,[23] 30,31.2,[32.2],[33.2]	15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10	[10],11,13 [10],12,14 11,[12] 8,10,11	9,[10],[11] [11],13,[19],22 [21],[24],25 [16],17,18	

TABLE 1

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

Item 4sp

2BKGU3					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
2E6GZB					<i>Identifiler® Plus</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
2KA6RQ					<i>Identifiler®</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
2MHHBD					<i>Identifiler® Plus</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
2QXQWR					<i>PowerPlex® Fusion</i>		
	4sp	15,17	17,23	10,11	17,18	10,11	9,10
		11,12	13,14	17,22	11,14	10,12	11,19
		15,16	32.2,33.2	11,16	X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
2R76YR					<i>Identifiler®</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
2YQBUD					<i>PowerPlex® 16, HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
32ZLG9					<i>Identifiler® Plus</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
338KT3					<i>Identifiler® Plus</i>		
	4sp		17,23		[15],17,18	10,11	9,10,[11]
		11,12,[14]			11,14	10,12	11,19
		[14],15,16	[30],32.2,33.2		X,Y	11	21,24,[25]
					7,9,[9.3],[10]	[8],11	16,[17],18

TABLE 1

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

Item 4sp

38FBPG			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
3DMM63					<i>PowerPlex® HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
3RRRKV			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
49B6BR			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
4A6Q74			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,12	21,24
					7,9	11	16,18
4DJJT3			<i>Identifiler®</i>			<i>Identifiler Plus</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
4J96QG			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
4LXJ9Z			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
6QBAH2			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18

TABLE 1

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

Item 4sp

6TEEM9		<i>Identifiler® Identifiler Plus</i>					
	4sp	-	17,23	-	17,18	10,11	9,10
		11,12	-	-	11,14	10,12	11,19
		15,16	32.2,33.2	-	X,Y	11	21,24
		-	-	-	7,9	11	16,18
77G3E3		<i>Identifiler® Plus</i>					
	4sp	NA	17,23	NA	17,18	10,11	9,10
		11,12	NA	NA	11,14	10,12	11,19
		15,16	32.2,33.2	NA	X,Y	11,11	21,24
		NA	NA	NA	7,9	11,11	16,18
7XGPAT		<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
7XL32V		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
7XQGEW		<i>COfiler® and Profiler Plus®</i>					
	4sp				17,18	10,11	9,10
		11,12			11,14		11,19
			32.2,33.2		X,Y		21,24
							16,18
7YGMPV		<i>Identifiler® Plus</i>					
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
8LLZRY		<i>Identifiler®</i>			<i>PowerPlex® 16 HS</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
8MZF7Z		<i>Identifiler® Plus</i>			<i>Minifiler</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
8NDWHD		<i>Identifiler®</i>					
	4sp	/	17,23	/	17,18	10,11	9,10
		11,12	/	/	11,14	10,12	11,19
		15,16	32.2,33.2	/	X,Y	11	21,24
		/	/	/	7,9	11	16,18

TABLE 1

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

Item 4sp

8Y4CZG			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
8YWGT3			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
92D7LD			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
93U3DD			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
98EDVM			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
9JVA4Y			<i>Identifiler® Plus</i>				
	4sp	NA	17,23	NA	17,18	10,11	9,10
		11,12	NA	NA	11,14	10,12	11,19
		15,16	32.2,33.2	NA	X,Y	11,11	21,24
		NA	NA	NA	7,9	11,11	16,18
A4DHZQ			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
A4WNVX					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
A7J4NQ			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18

TABLE 1

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

Item 4sp

A7NH2Q			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
A9BZF7			<i>Identifiler® Identifiler Plus</i>				
	4sp	-	17,23	-	17,18	10,11	9,10
		11,12	-	-	11,14	10,12	11,19
		15,16	32.2,33.2	-	X,Y	11	21,24
		-	-	-	7,9	11	16,18
AK6EGM			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
BC7HLW			<i>Identifiler®</i>			<i>Identifiler Plus, Minifiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
BKHAHL			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
BLQQ96			<i>Identifiler®</i>			<i>Identifiler Plus</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
BNKBFX			<i>COfiler® and Profiler Plus®</i>				
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
BRHP69					<i>PowerPlex® 16 HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
BTE86N			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18

TABLE 1

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

Item 4sp

BVZ73J			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
C6Y78B						<i>GlobalFiler</i>	
	4sp	15,17	17,23	10,11	17,18	10,11	9,10
		11,12	13,14	17,22	11,14	10,12	11,19
		15,16	32.2,33.2	11,16	X,Y	11,11	21,24
				19,19	7,9	11,11	16,18
CECB7M			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
CGUBJG			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
CHAG2R					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
CM4DNX			<i>COfiler® and Profiler Plus®</i>				
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
CQHBRE			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
D7TAHX			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
DELKRT			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18

TABLE 1

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

Item 4sp

DN9MRE			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
DP37Y9					<i>PowerPlex® HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
E4NY8F							
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
E8Y4Q3							
	4sp		<i>Identifiler® and Identifiler[sic] PLUS</i>		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
E9YU4C							
	4sp				<i>PowerPlex® HS</i>		
		11,12			17,18	10,11	9,10
					11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
EHJAN7							
	4sp				<i>PowerPlex® PP16 & PP16HS</i>		
		11,12			17,18	10,11	9,10
					11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
EQAT4Z							
	4sp		<i>Identifiler®</i>			<i>Identifiler Plus</i>	
		11,12			17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
					X,Y	11,11	21,24
					7,9	11,11	16,18
F4WHHW							
	4sp				<i>COfiler® and Profiler Plus®</i>		
		11,12			17,18	10,11	9,10
					11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
GBWCXA							
	4sp		<i>Identifiler® Plus</i>				
		-	17,23	-	17,18	10,11	9,10
		11,12	-	-	11,14	10,12	11,19
		15,16	32.2,33.2	-	X,Y	11,11	21,24
		-	-	-	7,9	11,11	16,18

TABLE 1

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

Item 4sp

GJ7QRX	4sp	<i>Identifiler®</i>		<i>PowerPlex® HS</i>			
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
GJQGRB	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
				7,9	11,11	16,18	
GKAZR	4sp	<i>COfiler® and Profiler Plus®</i>					
					17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
				7,9	11	16,18	
GM3CLL	4sp			<i>PowerPlex® 16HS</i>			
					17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
H3BQFP	4sp	<i>Identifiler®</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
				7,9	11,11	16,18	
H84RH4	4sp			SGM+			
			17,23		17,18		
		11,12				10,12	11,19
		15,16	32.2,33.2		X,Y		21,24
				7,9		16,18	
HJM6Z9	4sp	<i>Identifiler®</i>					
			17,23		17,18	10,11	9
		11,12,14			11,14	10,12	11,19
		14,15,16	31.2,32.2,33.2		X,Y	11	21,24
				7,9	11	16,17,18	
HQJ638	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
				7,9	11,11	16,18	
HZAAQAQ	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
				7,9	11	16,18	

TABLE 1

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

Item 4sp

J22VH4					<i>PowerPlex® 16 HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
J2FF78					<i>Identifiler® Plus</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
J86UVE					<i>Identifiler® Plus</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
JKUWAZ					<i>PowerPlex® HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
JNQKNM					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
JNU2AZ					<i>Identifiler®</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
JUGXPB					<i>PowerPlex® Fusion</i>		
	4sp	15,17	17,23	10,11	17,18	10,11	9,10
		11,12	13,14	17,22	11,14	10,12	11,19
		15,16	32.2,33.2	11,16	X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
K4GXLE					<i>Identifiler®</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
KABWZB					<i>Identifiler® Plus</i>		
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18

TABLE 1

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

Item 4sp

KAPD3Q					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,12	21,24
		12,13	5,18		7,9	11,11	16,18
KBFGWX			<i>Identifiler®</i>			<i>IdentifilerPLUS, MiniFiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
KFU3TB			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
KKLELL			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
KLNU8Y			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
KMD9PH			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
KMHN3H					<i>PowerPlex® 21</i>		
	4sp	15,17	17,23		17,18	10,11	9,10
		11,12		17,22	11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
KN9TCG			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
LBZH9R			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18

TABLE 1

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

Item 4sp

LDNXYM	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11	21,24	
				7,9	11	16,18	
LLVLK9	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11,11	21,24	
				7,9	11,11	16,18	
M79LMZ	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11	21,24	
				7,9	11	16,18	
MF6QZF	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11	21,24	
				7,9	11	16,18	
MGQZQ3	4sp	<i>Identifiler®</i>					
		11,12	17,23		[15],17,18	10,11	9,10
		15,16	[31.2],32.2,33.2		11,14	10,12	11,19
				X,Y	11	21,24	
				7,9	11	16,18	
MHWMRV	4sp	<i>PowerPlex® 16 HS</i>					
		11,12			17,18	10,11	9,10
		12,13	32.2,33.2		11,14	10,12	11,19
		5,18		X,Y	11	21,24	
				7,9	11	16,18	
MYMK23	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11,11	21,24	
				7,9	11,11	16,18	
MZT8B2	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11,11	21,24	
				7,9	11,11	16,18	
N23JJP	4sp	<i>Identifiler® Plus</i>					
		11,12	17,23		17,18	10,11	9,10
		15,16	32.2,33.2		11,14	10,12	11,19
				X,Y	11,11	21,24	
				7,9	11,11	16,18	

TABLE 1

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

Item 4sp

N9KTA8					<i>PowerPlex® Fusion</i>		
	4sp	15,17 11,12 15,16 12,13	17,23 13,14 32.2,33.2 5,18	10,11 17,22 11,16	17,18 11,14 X,Y 7,9	10,11 10,12 11 11	9,10 11,19 21,24 16,18
NDFNT7			<i>Identifiler® Plus</i>				
	4sp	11,12 [14],15,16	17,23 32.2,33.2		17,18 11,14 X,Y 7,9,[9.3]	10,11 10,12 11 11	9,10 11,19 21,24,[25] 16,18
NVAJ2N			<i>Identifiler®</i>			<i>Identifiler[sic] Plus</i>	
	4sp	11,12 15,16	17,23 32.2,33.2		17,18 11,14 X,Y 7,9	10,11 10,12 11,11 11,11	9,10 11,19 21,24 16,18
P87XTX			<i>Identifiler®</i>				
	4sp	not tested 11,12 15,16 not tested	17,23 not tested 32.2,33.2 not tested	not tested not tested not tested not tested	17,18 11,14 X,Y 7,9	10,11 10,12 11,11 11,11	9,10 11,19 21,24 16,18
PCG3CK					<i>PowerPlex®</i>	<i>PowerPlex 16HS</i>	
	4sp	11,12 12,13	32.2,33.2 5,18		17,18 11,14 X,Y 7,9	10,11 10,12 11,11 11,11	9,10 11,19 21,24 16,18
PFWBYY			<i>Identifiler® Plus</i>				
	4sp	11,12 15,16	17,23 32.2,33.2		17,18 11,14 X,Y 7,9	10,11 10,12 11 11	9,10 11,19 21,24 16,18
PMD4UV			<i>Identifiler® Plus</i>		<i>PowerPlex® Fusion</i>		
	4sp	15,17 11,12 15,16 12,13	17,23 13,14 32.2,33.2 5,18	10,11 17,22 11,16	17,18 11,14 X,Y 7,9	10,11 10,12 11,11 11,11	9,10 11,19 21,24 16,18
Q2D3LY					<i>PowerPlex® 16 HS</i>		
	4sp	11,12 12,13	32.2,33.2 5,18		17,18 11,14 X,Y 7,9	10,11 10,12 11 11	9,10 11,19 21,24 16,18
Q78XKK			<i>Identifiler® Plus</i>				
	4sp	11,12 15,16	17,23 32.2,33.2		17,18 11,14 X,Y 7,9	10,11 10,12 11,11 11,11	9,10 11,19 21,24 16,18

TABLE 1

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

Item 4sp

Q7P4LW			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
QAE9NF			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
QBMHDR			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
QCVHN2					<i>PowerPlex® ESI/ESX</i>		
	4sp	15,17	17,23	10,11	17,18		
		11,12	13,14	17,22		10,12	11,19
		15,16	32.2,33.2	11,16	X,Y		21,24
					7,9		16,18
QMGY3T			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
QT2WT2			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
QZHGR8			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
R9VNAW			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
RMA8NH			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18

TABLE 1

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

Item 4sp

RMNPEG					<i>PowerPlex® 16</i>		
	4sp	11,12	32.2,33.2		17,18	10,11	9,10
		12,13	5,18		11,14	10,12	11,19
					X,Y	11,11	21,24
					7,9	11,11	16,18
RPFL6W					<i>PowerPlex® 21</i>		
	4sp	15,17	17,23	-	17,18	10,11	9,10
		11,12	-	17,22	11,14	10,12	11,19
		15,16	32.2,33.2	-	X,Y	11,11	21,24
		12,13	5,18	-	7,9	11,11	16,18
RV49VV			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16			X,Y	11,11	21,24
					7,9	11,11	16,18
RVJLLD			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
T67Y24			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
T6REEK			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
TFK328					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
TK32ZV					<i>PowerPlex® 16HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
TWUKJ8			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18

TABLE 1

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

Item 4sp

U3RYD8			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
UCPKRL			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
UJ7V6M			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
UNGZPA					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18
UPBUGD			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
V44TWE			<i>Identifiler® Plus</i>				
	4sp	NA	17,23	NA	17,18	10,11	9,10
		11,12	NA	NA	11,14	10,12	11,19
		15,16	32.2,33.2	NA	X,Y	11,11	21,24
		NA	NA	NA	7,9	11,11	16,18
V8JHX3			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
VQZMN2			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
W9URK9					<i>PowerPlex® 16</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11,11	21,24
		12,13	5,18		7,9	11,11	16,18

TABLE 1

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

Item 4sp

WUEH7J			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
X732ZF			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
XEEBWM		<i>COfiler® and Profiler Plus®</i>	<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
XFCBQT			<i>Identifiler®</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
XG8VDT			<i>Identifiler® Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
XR423K					<i>PowerPlex® 16 HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18
Y27JF9			<i>Identifiler® Plus</i>			<i>Minifiler</i>	
	4sp		17,23		15,17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		14,15,16	32.2,33.2		X,Y	11	21,24
					7,9	11	16,18
Y4RAGD			<i>Identifiler® and Identifiler Plus</i>				
	4sp		17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y	11,11	21,24
					7,9	11,11	16,18
Y8CEWM					<i>PowerPlex® 16 HS</i>		
	4sp				17,18	10,11	9,10
		11,12			11,14	10,12	11,19
			32.2,33.2		X,Y	11	21,24
		12,13	5,18		7,9	11	16,18

TABLE 1

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

Item 4sp

YJR6ZY	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y 7,9	11,11	21,24 16,18
YWDJ2D	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y 7,9	11,11	21,24 16,18
YYJ6PD	4sp	<i>Identifiler® Plus</i>			<i>Minifiler</i>		
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y 7,9	11,11	21,24 16,18
ZH63JA	4sp	<i>Identifiler®</i>					
			17,23		15,17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y 7,9	11,11	21,24 16,18
ZLQXDU	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y 7,9	11,11	21,24 16,18
ZX62CD	4sp	<i>Identifiler® Plus</i>					
			17,23		17,18	10,11	9,10
		11,12			11,14	10,12	11,19
		15,16	32.2,33.2		X,Y 7,9	11,11	21,24 16,18

Amplification Kit(s) & 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									
4Y9RDD	Yfiler® 1								
6TEEM9	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
A9BZF7	Yfiler® 1								
BC7HLW	Yfiler® 1	No Results No Results	No Results No Results	No Results No Results	No Results No Results No Results	No Results No Results	No Results No Results No Results	No Results	No Results
C6Y78B		<i>PowerPlex®Y 23</i>							
	1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
E9YU4C	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
JHNCLZ	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
MZT8B2	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
PMD4UV	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
Q2D3LY	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR

TABLE 2

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

Item 1

QG8N7T	Yfiler® 1								
WVA3UJ	Yfiler® 1								
Z7Y6JG	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

TABLE 2

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

Item 2

2KA6RQ	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
2MHHBD	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
2QXQWR		2	Y23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
		11	21	15	21	15	12			
3RRRKV		2	PowerPlex®Y							
			15	16,17	13	31	21	10	11	13
			14	11	12					
49B6BR		2	PowerPlex®Y							
			15	16,17	13	31	21	10	11	13
			14	11	12					
4J96QG	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
4Y9RDD	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
6GXCV	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
6TEEM9	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	-	-
			-	-	-	21	-	12	-	-
7XL32V	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
7XQGEW	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			

TABLE 2

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

Item 2

7YGMPV	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
8YWGT3		2	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
			11	21	15	21	15	12		
A7NH2Q	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
A9BZF7	Yfiler® Yfiler Kit	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	-	-
			-	-	-	21	-	12	-	-
BC7HLW	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
BKHAHL	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
BRHP69	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
BVZ73J	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
C6Y78B		2	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
			11	21	15	21	15	12	2	
CECB7M		2	PowerPlex®Y							
			15	16,17	13	31	21	10	11	13
			14	11	12					
CGUBJG	Yfiler®	2	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		

TABLE 2

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

Item 2

D7TAHX			<i>PowerPlex®Y 23</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	28	11
		11	21	15	21	15	12		
DELKRT	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
DP37Y9	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
E9YU4C	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
H84RH4	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
J22VH4	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
J2FF78	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
JHNCLZ	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
JKUWAZ	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
JNU2AZ	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
JUGXPB			<i>PowerPlex®Y 23</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	28	11
		11	21	15	21	15	12		

TABLE 2

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

Item 2

KABWZB			<i>PowerPlex®Y</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12					
KBFGWX	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
KLNU8Y	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
KMD9PH	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
KN9TCG	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
MF6QZF	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
MHWMRV	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
MZT8B2	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
N23JJP	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
N9KTA8			<i>PowerPlex®Y 23</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	28	11
		11	21	15	21	15	12		
NDFNT7	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		

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
Item 2									
NVAJ2N	Yfiler® 2	15 14	16,17 11	13 12	31 20 21	21 15	10 16 12	11	13
P87TX	Yfiler® 2	15 14 not tested	16,17 11 not tested	13 12 not tested	31 20 21	21 15 not tested	10 16 12	11 not tested not tested	13 not tested
PFWBY	Yfiler® 2	15 14	16,17 11	13 12	31 20 21	21 15	10 16 12	11	13
PMD4UV	Yfiler® 2	15 14	16,17 11	13 12	31 20 21	21 15	10 16 12	11	13
Q2D3LY	Yfiler® 2	15 14	16,17 11	13 12	31 20 21	21 15	10 16 12	11	13
QAE9NF			<i>PowerPlex®Y 23</i>						
	2	15 14 11	16,17 11 21	13 12 15	31 20 21	21 15 15	10 16 12	11 28	13 11
QBMHDR	Yfiler® 2	15 14	16,17 11	13 12	31 20 21	21 15	10 16 12	11	13
QCVHN2			<i>PowerPlex®Y 23</i>						
	2	15 14 11	16,17 11 21	13 12 15	31 20 21	21 15 15	10 16 12	11 28	13 11
QG8N7T	Yfiler® 2	15 14	16,17 11	13 12	31 20 21	21 15	10 16 12	11	13
RMA8NH			<i>PowerPlex®Y 23</i>						
	2	15 14 11	16,17 11 21	13 12 15	31 20 21	21 15 15	10 16 12	11 28	13 11
RPFL6W			<i>PowerPlex®Y 23</i>						
	2	15 14 11	16,17 11 21	13 12 15	31 20 21	21 15 15	10 16 12	11 28 -	13 11

TABLE 2

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

Item 2

T6REEK			<i>PowerPlex®Y 23</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	28	11
		11	21	15	21	15	12		
TK32ZV	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
U3RYD8	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
V8JHX3	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
VQZMN2			<i>PowerPlex®Y</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12					
W9URK9	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
WVA3UJ	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
X732ZF			<i>PowerPlex®Y 23</i>						
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	28	11
		11	21	15	21	15	12		
XEEBWM	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
XFULZL	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
XG8VDT	<i>Yfiler®</i>								
	2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		

TABLE 2

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

Item 2

XR423K	Yfiler® 2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
Y4RAGD	Yfiler® 2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
Y8CEWM	Yfiler® 2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
Z7Y6JG	Yfiler® 2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
ZH63JA	Yfiler® 2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		
ZLQXDU			<i>PowerPlex®Y</i> 16,17	13	31	21	10	11	13
		15	11	12					
		14							
ZX62CD	Yfiler® 2	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16		
					21		12		

TABLE 2

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

Item 3

2KA6RQ	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
2MHHBD	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
2QXQWR				PowerPlex®Y Y23						
		3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
					21	15	12			
3RRRKV				PowerPlex®Y						
		3	15	16,17	13	31	21	10	11	13
			14	11	12					
49B6BR				PowerPlex®Y						
		3	15	16,17	13	31	21	10	11	13
			14	11	12					
4J96QG	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
6TEEM9	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	-	-
			-	-	-	21	-	12	-	-
7XL32V	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
7XQGEW	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
7YGMPV	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
8YWGT3				PowerPlex®Y 23						
		3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
					21	15	12			

TABLE 2

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

Item 3

A7NH2Q	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
					21		12								
A9BZF7	Yfiler® Yfiler Kit	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16	-	-					
			-	-	-	21	-	12	-						
BKHAHL	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
						21		12							
BRHP69	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
						21		12							
BVZ73J	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
						21		12							
C6Y78B		3	PowerPlex®Y 23			31	21	10	11	13					
			15	16,17	13										
			14	11	12						20	15	16	28	11
			11	21	15						21	15	12	2	
CECB7M		3	PowerPlex®Y			31	21	10	11	13					
			15	16,17	13										
			14	11	12										
D7TAHX		3	PowerPlex®Y 23			31	21	10	11	13					
			15	16,17	13										
			14	11	12						20	15	16	28	11
			11	21	15						21	15	12		
DELKRT	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
						21		12							
DP37Y9	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
						21		12							
E9YU4C	Yfiler®	3	15	16,17	13	31	21	10	11	13					
			14	11	12	20	15	16							
						21		12							

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
---------	------	---------------------------	----------------------------	------------------------------	-------------------------------	----------------------------	-------------------------------	----------------------------	------------------

Item 3

H84RH4	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
J22VH4	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
JKUWAZ	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
JNU2AZ	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
JUGXPB	3		<i>PowerPlex®Y 23</i>						
		15	16,17	13	31	21	10	11	13
KABWZB	3	14	11	12	20	15	16	28	11
		11	21	15	21	15	12		
KABWZB	3		<i>PowerPlex®Y</i>						
		15	16,17	13	31	21	10	11	13
KBFGWX	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
KLNU8Y	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
KMD9PH	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
KN9TCG	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
MF6QZF	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	

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
---------	------	---------------------------	----------------------------	------------------------------	-------------------------------	----------------------------	-------------------------------	----------------------------	------------------

Item 3

MHWMRV	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
MZT8B2	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
N23JJP	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
N9KTA8	3	PowerPlex®Y 23							
		15	16,17	13	31	21	10	11	13
NDFNT7	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
NVAJ2N	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
P87XTX	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	not tested	not tested
PFWBY	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
PMD4UV	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
Q2D3LY	Yfiler® 3	15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	12	
QAE9NF	3	PowerPlex®Y 23							
		15	16,17	13	31	21	10	11	13
		14	11	12	20	15	16	28	11
		11	21	15	21	15	12		

TABLE 2

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

Item 3

QBMHDR	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
QCVHN2		3	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
		11	21	15	21	15	12			
RMA8NH		3	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
		11	21	15	21	15	12			
RPFL6W		3	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
		11	21	15	21	15	12	-		
T6REEK		3	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
		11	21	15	21	15	12			
TK32ZV	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
U3RYD8	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
V8JHX3	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
VQZMN2		3	PowerPlex®Y							
			15	16,17	13	31	21	10	11	13
			14	11	12					
W9URK9	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
						21		12		
X732ZF		3	PowerPlex®Y 23							
			15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16	28	11
		11	21	15	21	15	12			

TABLE 2

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

Item 3

XEEBWM	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
XG8VDT		3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
XR423K	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
Y4RAGD	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
Y8CEWM	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
ZH63JA	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			
ZLQXDU		3	15	16,17	13	31	21	10	11	13
			14	11	12					
ZX62CD	Yfiler®	3	15	16,17	13	31	21	10	11	13
			14	11	12	20	15	16		
					21		12			

TABLE 2

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

Item 4

H84RH4	Yfiler® 4	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
QBMHDR	Yfiler® 4	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		

TABLE 2

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

Item 4e

2KA6RQ	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
2MHHBD	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
2QXQWR	PowerPlex®Y Y23 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
6TEEM9	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	-	-
		-	-	-	21	-	12	-	-
7XL32V	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
7XQGEW	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
8YWGT3	PowerPlex®Y 23 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
A7NH2Q	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
A9BZF7	Yfiler® Yfiler Kit 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	-	-
		-	-	-	21	-	12	-	-
BKHAHL	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
BRHP69	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		

TABLE 2

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

Item 4e

BVZ73J	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
C6Y78B	4e	PowerPlex®Y 23							
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
CECB7M	4e	PowerPlex®Y							
		14	13,14	12	28	23	10	11	13
		16	10	11					
DELKRT	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
DP37Y9	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
E9YU4C	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
J22VH4	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
JKUWAZ	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
JNU2AZ	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
JUGXPB	4e	PowerPlex®Y 23							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
KABWZB	4e	PowerPlex®Y							
		NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT					NT

TABLE 2

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

Item 4e

KBFGWX	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
KMD9PH	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
KN9TCG	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
MF6QZF	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
MHWMRV	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
MZT8B2	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
N23JJP	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
N9KTA8	PowerPlex®Y 23 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
NDFNT7	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
NVAJ2N	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
P87XTX	Yfiler® 4e	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
		not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
		not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested

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
---------	------	---------------------------	----------------------------	------------------------------	-------------------------------	----------------------------	-------------------------------	----------------------------	------------------

Item 4e

PFWBY	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
PMD4UV	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
Q2D3LY	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
QAE9NF	4e		<i>PowerPlex®Y 23</i>						
		14	13,14	12	28	23	10	11	13
RMA8NH	4e	16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
TK32ZV	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
U3RYD8	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
V8JHX3	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
W9URK9	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
X732ZF	4e		<i>PowerPlex®Y 23</i>						
		14	13,14	12	28	23	10	11	13
XEGBWM	Yfiler® 4e	16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
XEEBWM	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	

TABLE 2

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

Item 4e

XR423K	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
Y4RAGD	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
Y8CEWM	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
ZH63JA	Yfiler® 4e	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
ZLQXDU	4e		<i>PowerPlex®Y</i>						
		NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT					

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	
Item 4sp									
2KA6RQ	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
2MHHBD	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
2QXQWR		<i>PowerPlex®Y Y23</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
3RRRKV		<i>PowerPlex®Y</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11					
49B6BR		<i>PowerPlex®Y</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11					
4J96QG	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
6TEEM9	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	-	-
		-	-	-	21	-	12	-	-
7XL32V	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
7XQGEW	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
7YGMPV	Yfiler®	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
8YWGT3		<i>PowerPlex®Y 23</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	
Item 4sp									
A7NH2Q	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
A9BZF7	Yfiler® Yfiler Kit 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	-	-
		-	-	-	21	-	12	-	
BKHAHL	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
BRHP69	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
BVZ73J	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
C6Y78B	PowerPlex®Y 23 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12	2	
CECB7M	PowerPlex®Y 4sp	14	13,14	12	28	23	10	11	13
		16	10	11					
D7TAHX	PowerPlex®Y 23 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
DELKRT	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
DP37Y9	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
E9YU4C	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		

TABLE 2

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

Item 4sp

J22VH4	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
JKUWAZ	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
JNU2AZ	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
JUGXPB	PowerPlex®Y 23 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
KABWZB	PowerPlex®Y 4sp	14	13,14	12	28	23	10	11	13
		16	10	11					
KBFGWX	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
KLNU8Y	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
KMD9PH	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
KN9TCG	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
MF6QZF	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	
MHWMRV	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	12	

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
Item 4sp									
MZT8B2	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
N23JJP	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
N9KTA8			<i>PowerPlex®Y 23</i>						
	4sp	14 16 13	13,14 10 21	12 11 17	28 20 21	23 14 11	10 16 12	11 27	13 11
NDFNT7	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
NVAJ2N	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
P87XTX	Yfiler®								
	4sp	14 16 not tested	13,14 10 not tested	12 11 not tested	28 20 21	23 14 not tested	10 16 12	11 not tested not tested	13 not tested
PFWBY	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
PMD4UV	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
Q2D3LY	Yfiler®								
	4sp	14 16	13,14 10	12 11	28 20 21	23 14	10 16 12	11	13
QAE9NF			<i>PowerPlex®Y 23</i>						
	4sp	14 16 13	13,14 10 21	12 11 17	28 20 21	23 14 11	10 16 12	11 27	13 11
QCVHN2			<i>PowerPlex®Y 23</i>						
	4sp	14 16 13	13,14 10 21	12 11 17	28 20 21	23 14 11	10 16 12	11 27	13 11

TABLE 2

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

Item 4sp

RMA8NH	4sp	<i>PowerPlex®Y 23</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
RPFL6W	4sp	<i>PowerPlex®Y 23</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12	-	
T6REEK	4sp	<i>PowerPlex®Y 23</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
TK32ZV	4sp	<i>Yfiler®</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
U3RYD8	4sp	<i>Yfiler®</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
V8JHX3	4sp	<i>Yfiler®</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
VQZMN2	4sp	<i>PowerPlex®Y</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11					
W9URK9	4sp	<i>Yfiler®</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
X732ZF	4sp	<i>PowerPlex®Y 23</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16	27	11
		13	21	17	21	11	12		
XEEBWM	4sp	<i>Yfiler®</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
XG8VDT	4sp	<i>Yfiler®</i>							
		14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		

TABLE 2

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

Item 4sp

XR423K	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
Y4RAGD	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
Y8CEWM	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
ZH63JA	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		
ZLQXDU	PowerPlex®Y 4sp	14	13,14	12	28	23	10	11	13
		16	10	11					
ZX62CD	Yfiler® 4sp	14	13,14	12	28	23	10	11	13
		16	10	11	20	14	16		
					21		12		

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 4e	Item 4sp
D6S1043	KMHN3H	11,11	11,20	11,20	11,12,13	12,13
	RPFL6W	11,11	11,20	11,20	11,11	12,13

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
2BKGU3	No	Yes	Yes	No	6GXCJV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2CYWCB	No Interpretations Reported, DNA Analyzed for Database purposes only.				6QBAH2	No	Yes	Yes	No
2E6GZB	No	Yes	Yes	No	6TEEM9	No	Yes	Yes	No
2KA6RQ	No	Yes	Yes	No	6YFNX8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2MHHD	No	Yes	Yes	No	77G3E3	No	Yes	Yes	No
2QXQWR	No	Yes	Yes	No	7XGPAT	No	Yes	Yes	No
2R76YR	No	Yes	Yes	No	7XL32V	No	Yes	Yes	No
2YQBUD	No	Yes	Yes	No	7XQGEW	No	Yes	Yes	No
32ZLG9	No	Yes	Yes	No	7YGMPV	No	Yes	Yes	No
338KT3	No	Yes	Yes	No	8LLZRY	No	Yes	Yes	No
38FBPG	No	Yes	Yes	No	8MZF7Z	No	Yes	Yes	No
3DMM63	No	Yes	Yes	No	8NDWHD	No	Yes	Yes	No
3RRRKV	No	Yes	Yes	No	8Y4CZG	No	Yes	Yes	No
49B6BR	No	Yes	Yes	No	8YWGT3	No	Yes	Yes	No
4A6Q74	No	Yes	Yes	No	92D7LD	No	Yes	Yes	No
4DJT3	No	Yes	Yes	No	93U3DD	No	Yes	Yes	No
4J96QG	No	Yes	Yes	No	98EDVM	No	Yes	Yes	No
4LXJ9Z	No	Yes	Yes	No	9JVA4Y	No	Yes	Yes	No
4Y9RDD	No Interpretations Reported, DNA Analyzed for Database purposes only.				A4DHZQ	No	Yes	Yes	No

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
A4WNXV	No	Yes	Yes	No	D7WRK3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
A7J4NQ	No	Yes	Yes	No	DELKRT	No	Yes	Yes	No
A7NH2Q	No	Yes	Yes	No	DFKLZ6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
A9BZF7	No	Yes	Yes	No	DN9MRE	No	Yes	Yes	No
AK6EGM	No	Yes	Yes	No	DP37Y9	No	Yes	Yes	No
BA2JZ4	No Interpretations Reported, DNA Analyzed for Database purposes only.				E4NY8F	No	Yes	Yes	No
BC7HLW	No	Yes	Yes	No	E8Y4Q3	No	Yes	Yes	No
BKHAHL	No	Yes	Yes	No	E9YU4C	No	Yes	Yes	No
BLQQ96	No	Yes	Yes	No	EHJAN7	No	Yes	Yes	No
BNKBFX	No	Yes	Yes	No	EQAT4Z	No	Yes	Yes	No
BRHP69	No	Yes	Yes	No	F4WHHW	No	Yes	Yes	No
BTE86N	No	Yes	Yes	No	GBWCXA	No	Yes	Yes	No
BVZ73J	No	Yes	Yes	No	GJ7QRX	No	Yes	Yes	No
C6Y78B	No	Yes	Yes	No	GJQGRB	No	Yes	Yes	No
CECB7M	No Interpretations Reported, DNA Analyzed for Database purposes only.				GKZAZR	No	Yes	Yes	No
CGUBJG	No	Yes	Yes	No	GM3CLL	No	Yes	Yes	No
CHAG2R	No	Yes	Yes	No	H3BQFP	No	Yes	Yes	No
CM4DNX	No	Yes	Yes	No	H84RH4	No	Yes	Yes	No
CNCQ4E	No Interpretations Reported, DNA Analyzed for Database purposes only.				HJM6Z9	No	Yes	Yes	No
CQHBRE	No	Yes	Yes	No	HQJ638	No	Yes	Yes	No
D7TAHX	No	Yes	Yes	No	HZAQAQ	No	Yes	Yes	No

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
J22VH4	No	Yes	Yes	No	M79LMZ	No	Yes	Yes	No
J2FF78	No	Yes	Yes	No	MF6QZF	No	Yes	Yes	No
J86UVE	No	Yes	Yes	No	MGQZQ3	No	Yes	Yes	No
JHNCLZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				MHWMRV	No	Yes	Yes	No
JKUWAZ	No	Yes	Yes	No	MYMK23	No	Yes	Yes	No
JNQKNM	No	Yes	Yes	No	MZT8B2	No	Yes	Yes	No
JNU2AZ	No	Yes	Yes	No	N23JJP	No	Yes	Yes	No
JUGXPB	No	Yes	Yes	No	N9KTA8	No	Yes	Yes	No
K4GXLE	No	Yes	Yes	No	NDFNT7	No	Yes	Yes	No
KABWZB	No	Yes	Yes	No	NVAJ2N	No	Yes	Yes	No
KAPD3Q	No	Yes	Yes	No	P87XTX	No	Yes	Yes	No
KBFGWX	No	Yes	Yes	No	P9LVLX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KFU3TB	No	Yes	Yes	No	PCG3CK	No	Yes	Yes	No
KKLELL	No	Yes	Yes	No	PFWBYY	No	Yes	Yes	No
KLNU8Y	No	Yes	Yes	No	PMD4UV	No	Yes	Yes	No
KMD9PH	No	Yes	Yes	No	Q2D3LY	No	Yes	Yes	No
KMHN3H	No	Yes	Yes	No	Q78XKK	No	Yes	Yes	No
KN9TCG	No	Yes	Yes	No	Q7P4LW	No	Yes	Yes	No
LBZH9R	No	Yes	Yes	No	QAE9NF	No	Yes	Yes	No
LDNXYM	No	Yes	Yes	No	QBMHDR	No	Yes	Yes	No
LLVLK9	No	Yes	Yes	No	QCVHN2	No	Yes	Yes	No

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
QG8N7T	No Interpretations Reported, DNA Analyzed for Database purposes only.				UNGZPA	No	Yes	Yes	No
QMGY3T	No	Yes	Yes	No	UPBUGD	No	Yes	Yes	No
QT2WT2	No	Yes	Yes	No	V44TWE	No	Yes	Yes	No
QYVUKD	No Interpretations Reported, DNA Analyzed for Database purposes only.				V8JHX3	No	Yes	Yes	No
QZHGR8	No	Yes	Yes	No	VBMCT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
R9VNAW	No	Yes	Yes	No	VQZMN2	No	Yes	Yes	No
RE2H4R	No Interpretations Reported, DNA Analyzed for Database purposes only.				W9URK9	No	Yes	Yes	No
RMA8NH	No	Yes	Yes	No	WUEH7J	No	Yes	Yes	No
RMNPEG	No	Yes	Yes	No	WVA3UJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RPFL6W	No	Yes	Yes	No	X732ZF	No	Yes	Yes	No
RV49VW	No	Yes	Yes	No	XEEBWM	No	Yes	Yes	No
RVJLLD	No	Yes	Yes	No	XF78M3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
T67Y24	No	Yes	Yes	No	XFCBQT	No	Yes	Yes	No
T6REEK	No	Yes - epithelial cell fraction	Yes	No	XFULZL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TFK328	No	Yes	Yes	No	XG8VDT	No	Yes	Yes	No
TK32ZV	No	Yes	Yes	No	XR423K	No	Yes	Yes	No
TWUKJ8	No	Yes	Yes	No	Y27JF9	No	Yes	Yes	No
U3RYD8	No	Yes	Yes	No	Y4RAGD	No	Yes	Yes	No
U4QYLK	No Interpretations Reported, DNA Analyzed for Database purposes only.				Y8CEWM	No	Yes	Yes	No
UCPKRL	No	Yes	Yes	No	YJR6ZY	No	Yes	Yes	No
UJ7V6M	No	Yes	Yes	No	YWDJ2D	No	Yes	Yes	No

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
YWG24H	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YYJ6PD	No	Yes	Yes	No					
Z7Y6JG	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZH63JA	No	Yes	Yes	No					
ZLQXDU	No	Yes	Yes	No					
ZPPELH	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZX62CD	No	Yes	Yes	No					

Response Summary			Participants reporting DNA results: 171			
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>						
		Victim (Item 1)		Suspect (Item 2)		
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>	
Responses	Yes	0	149	149	0	
	No	149	0	0	149	
	Inc	0	0	0	0	

Participants not reporting Interpretation results: 22

Additional Comments

TABLE 5

WebCode	Additional Comments
2MHHBD	Analysis for Item 1 and Item 2 was carried out by the FTA method. DNA extraction for Item 3 and Item 4 was by phenol-chloroform method. Amplification kits used were the Identifiler® Direct/Plus (STR) and Yfiler® (Y-STR). Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper® ID v3.2.1.
6TEEM9	1) Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit. 2) Item 3 extracted using Promega DNA IQ Kit on Tecan Freedom Evo 150. 3) Item 4 extracted with chelex extraction method. 4) Both Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit from Applied Biosystem and carried out by Real Time PCR. 5) Both Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 6) Electrophoresis were carried out on the Genetic Analyzer 3130xl for Item 1, Item 2, Item 3 and Item 4. 7) Reagent Blank, Positive Control and Negative Control were run together during the analysis.
A9BZF7	1. Item 1 and Item 2 was extracted using the in-situ extraction method and amplified using the Identifiler Direct Kit. 2. Item 3 was extracted using the Tecan extraction method and Item 4 was extracted using the differential extraction method. Both these items were amplified using the Identifiler Plus Kit. 3. Item 2, 3 and 4 were amplified using the Yfiler Kit. 4. Eletroforesis[sic] was carried out on these items using the 3130xl and 3500xl Genetic Analyzer.
AK6EGM	The epithelial cell fraction of my differential extraction of Item 4 (the stain on the victim's bed sheet) contains possible elevated stutter at D3S1358. The remainder of the profile appears to be a two-person mixture and shows no other indications of additional contributors. However, since this is a mixture profile, it is being treated as it would be in casework and the "16" being called is being entered as a true allele.
BKHAHL	Item #1 (victim) was not analyzed w/ Yfiler since it was a female sample. Item #1 (victim) could not be excluded from the mixture obtained from item #4 (bed sheet - epithelial fraction); however, item #1 (victim) is excluded from item #4 (bed sheet - sperm fraction).
C6Y78B	Participant's note concerning boxes (either with - or empty): box filled with a single dash (-) indicates that the related marker gave no allele for that item, empty box indicates that no experiment was performed on that marker
CM4DNX	Item 3 (A1-3): Heterozygous imbalance for D5S818 was 50%. Alleles reported however they were not used for statistical purposes.
CNCQ4E	N/A = Not Applicable
E9YU4C	NR = NO RESULTS
H84RH4	No YSTR on sample 1 (item 1) - female.
JHNCLZ	NR = No Results
K4GXLE	mixed profile in epithelial fraction for Item 4, consistent with DNA profile determined for complainant (Item 1) and male profile determined from sperm fraction.
P87XTX	Victim (Item 1) contributes to only the epithelial fraction of Item 4.
Q2D3LY	NR indicates no results
QMGY3T	Victim (Item 1) matched major profile in non-sperm fraction of Item 4
RPFL6W	1. DNA from item#3 was extracted using QIAamp DNA Micro kit as indicated by the manufacturer. Differential extraction was performed on item#4, followed by QIAamp DNA Micro kit. 2. All the extracted DNA was quantified using Quantifiler® Human DNA Quantification kit through 7500 Real Time PCR (Applied Biosystems). 3. Direct amplification of item#1 and #2(punched using 1.2 mm Harris Uni-Core), and amplification of extracted DNA (item#3 and #4) were performed using PowerPlex® 21 System (Promega). 4. Y-STR analysis was performed on item#2, #3, and #4-sp using PowerPlex® Y23 System

TABLE 5

WebCode	Additional Comments
	(Promega). 5. Capillary electrophoresis was carried out through AB 3130 xl Genetic Analyzer (Applied Biosystems). 6. Genotype analysis was performed using GeneMapper ID version 3.2.1 software (Applied Biosystems). 7. All procedures was performed according to the laboratory Standard Operating Procedure (SOP).
V8JHX3	The epithelial cell fraction of my differential extraction of Item 4 (the stain on the victim's bed sheet) contains possible elevated stutter at D16S539. The remainder of the profile appears to be a two-person mixture and shows no other indications of additional contributors. However, since this is a mixture profile, it is being treated as it would be in casework and the "13" being called is being entered as a true allele.
W9URK9	As per laboratory procedure female references are not analyzed with Yfiler
WVA3UJ	[From Table 2 - YSTR Results, Item 1: "no profile - female sample"]
X732ZF	An additional allele for Item 4 (epithelial) was detected at Locus D16S539. This 13 allele is likely elevated stutter. The observed stutter percentage was 10.7% and our laboratory's validated stutter percentage at this locus is 10%.
Z7Y6JG	NR = NO RESULTS

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 14-582: DNA-Semen

DATA MUST BE RECEIVED BY May 5, 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 the sexual assault of a girl during a home invasion. Screening has been done on the samples with the following results: Item 3 (victim's pajamas) is positive for blood only and Item 4 (victim's bed sheet) is positive for blood and semen. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples of the victim and the male suspect.

Items Submitted (Sample Pack S2):

Item 1: Known blood from the Victim.

Item 2: Known blood from the Suspect.

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

Item 4: Questioned blood and semen mixture from the victim's bed sheet. (blue patterned 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.

Online Data Entry

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

Please return all pages of this data sheet.

Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

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

- * Report alleles in numerical order, separated by a comma.
- * Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X).
- * 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). If you wish to indicate minor or weaker alleles, please enclose them within brackets [].

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

****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.

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

Please return all pages of this data sheet.

Part I (continued): DNA Results for Known 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, HS, etc.).

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

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

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

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

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

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

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

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

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

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

Please return all pages of this data sheet.

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, HS, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item 2: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® _____ PowerPlex® Y _____

Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel	
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Please return all pages of this data sheet.

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

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

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

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

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

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

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

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

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

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

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

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

Please return all pages of this data sheet.

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

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

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

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

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

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

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

YSTR Amplification Kit(s) Used For Item 4 Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

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

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

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

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

Please return all pages of this data sheet.

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

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

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

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

<p>Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>May 05, 2014</i> to be included in the report.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p>	<p>Participant Code:</p> <p>ONLINE DATA ENTRY: www.cts-portal.com FAX: +1-571-434-1937 or Toll-Free: 1-866-FAX-2CTS (329-2287) MAIL: Collaborative Testing Services, Inc. P.O. Box 650820 Sterling, VA 20165-0820 USA</p>
---	---

Please return all pages of this data sheet.

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **14-582: DNA-Semen**

This release page must be completed and received by **May 5, 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) _____

Accreditation Release

Return Instructions

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

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

Please return all pages of this data sheet.

Page 8 of 8