



DNA-Mixture Test No. 18-5806 Summary Report

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 178 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains on Items 1, 2, and 4 were prepared from human whole blood which was either drawn into citric acid preservative blood bags or EDTA tubes. The stain on Item 3 was a mixture prepared from human whole blood and semen. The semen was first thawed and mixed 1:1 with TAE buffer, then mixed with the blood. Item 1 (75 μ l) was prepared using blood collected from a female donor. Item 2 (75 μ l) was prepared using blood collected from a male donor. Item 3 (50 μ l) was created using a 1:1 mixture of blood from the female donor found in Item 1 and semen from the male donor used in Item 2. Item 4 (50 μ l) was created using a 1:1 mixture of blood from the female donor found in Item 1 and blood from the male donor used in Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 15, 2018 following receipt of predistribution results.

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were packed into separate envelopes and then placed together in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled heat seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci.

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	12,19.3	17,24	11,11	15,15	8,11	*
	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15	NM	NM	NM	NM	
2	16,17.3	20,22	14,14	15,17	8,12	*
	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15	2	
3-Blood	12,19.3	17,24	11,11	15,15	8,11	*
	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15	NM	NM	NM	NM	
3-Semen	16,17.3	20,22	14,14	15,17	8,12	*
	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15	2	
4	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	*
	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15	2	

YSTR Results									
Results compiled from predistribution laboratories and a consensus of at least 10 participants.									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	36,36	14	11,13	13	31	22	9	11	13
	15	10	12	21	33	15	16	10	25
	40	11	11	17	15	23	20	9	12
3-Semen	36,36	14	11,13	13	31	22	9	11	13
	15	10	12	21	33	15	16	10	25
	40	11	11	17	15	23	20	9	12
4	36,36	14	11,13	13	31	22	9	11	13
	15	10	12	21	33	15	16	10	25
	40	11	11	17	15	23	20	9	12

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

NM - Non-Male profile, YSTR results not expected.

Summary Comments

The DNA-Mixture test is part of the DNA Sample Specific Series, where participants are advised of the body fluid(s) that made up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was created using blood from a female donor. Item 2 was created using blood from a male donor. Item 3 was created using a mixture of blood from the same female donor used for Item 1 and semen from the same male donor used for Item 2. Item 4 was created using a mixture of blood from the same female donor used for Item 1 and blood from the same male donor used for Item 2. (See Manufacturer's Information for preparation details)

Of the 178 participants that returned results, 162 reported DNA interpretations. Ten participants stated that the samples were only analyzed for database purposes and the remaining six selected "No interpretation" for each interpretation question.

A total of nineteen participants reported allelic results that differed from consensus/predistribution results for one or more items. These inconsistencies are detailed below.

For the Item 1 stain, all but three participants reported allelic results that matched the consensus/predistribution results. One participant reported inconsistent alleles at multiple loci. Two other participants reported an additional "25" allele at the D12S391 locus.

For the Item 2 stain, all participants reported allelic results that matched the consensus/predistribution results.

For the Item 3 stain, all but eight participants reported allelic results that matched the consensus/predistribution results. These participants reported an additional allele or were missing alleles at one or more loci for the epithelial or sperm fractions of Item 3. Six participants did not report separate epithelial and sperm fractions, but instead listed the full Item 3 mixture profile which was consistent with the consensus alleles from the two separate fractions. All participants that reported interpretations included the victim (Item 1) and the suspect (Item 2) as possible contributors to Item 3.

For the Item 4 stain, all but thirteen participants reported allelic results that matched the consensus/predistribution results. Of these participants, four were missing alleles at one or more loci; the majority of missing alleles were from the female contributor. Three participants reported inconsistent alleles at one or more loci and six participants reported additional alleles at one or more loci. All participants that reported interpretations included the victim (Item 1) and the suspect (Item 2) as possible contributors to Item 4.

A total of 33 participants reported the use of probabilistic genotyping software. There were several types of software used. However, the genotyping software STRmix was reported most frequently by participants.

STR Amplification Kit(s) & Results

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

26E8NM	PowerPlex® Fusion 6C					
		12,19.3	17,24	11,11	15,15	8,11
1		8,10	10,13	13,13	17,26	11,12
		15,16	13,14	30,32.2	15,16	X,X
		20,23	8,14	12,13	18,23.2	8,9.3
		15,15	NR	NR	NR	8,11
<hr/>						
2CVZED	GlobalFiler™					
		12,19.3	17,24	11	15	8,11
1		8,10	10,13	13	17,26	11,12
		15,16	13,14	30,32.2	15,16	X
		20,23			18,23.2	8,9.3
		15				8,11
<hr/>						
2E4ZVD	PowerPlex® Fusion 5C					
		12,19.3	17,24	11,11	15,15	8,11
1		8,10	10,13	13,13	17,26	11,12
		15,16	13,14	30,32.2	15,16	X,X
		20,23	8,14	12,13		8,9.3
		15,15	ND			8,11
<hr/>						
2EHPUJ	Identifiler® Direct					
			17,24		15	8,11
1		8,10	10,13			11,12
		15,16	13,14	30,32.2		X,X
		20,23				8,9.3
		15				8,11
<hr/>						
2JUDVF	PowerPlex® Fusion					
		12,19.3	17,24	11	15	8,11
1		8,10	10,13	13	17,26	11,12
		15,16	13,14	30,32.2	15,16	X
		20,23	8,14	12,13		8,9.3
		15	NR			8,11
<hr/>						
2PKRFG	GlobalFiler™					
		12,19.3	17,24	11	15	8,11
1		8,10	10,13	13	17,26	11,12
		15,16	13,14	30,32.2	15,16	X
		20,23			18,23.2	8,9.3
		15				8,11

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

369HUA	PowerPlex® ESI-17 Fast					
	12,19.3	17,24	11,11	15,15		
1		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					
3AZNBX	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
3GYER2	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
3GZ9B8	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
3NМУKE	PowerPlex® Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15	NR				
3TFZ23	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
3X4MPF	NGM SElect					
	12,19.3	17,24	11,11	15,15		
1		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

3XBR9Y	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
427TUE	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
4ERBJC	Identifiler® Direct					
	-	17,24	-	15	8,11	-
1	8,10	10,13	-	-	11,12	9,11
	15,16	13,14	30,32.2	-	X,X	11,12
	20,23	-	-	-	8,9.3	8,11
	15	-	-	-	-	-
4GXXWF	Investigator® 24plex GO					
	12,19.3	17,24	11,11	15,15	8,11	N/A
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	N/A	N/A	18,23.2	8,9.3	8,11
	15,15	N/A	N/A	N/A	N/A	
4MALWC	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
4PBR8C	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
4YXQZ3	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

63UU39	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
68QFYH	GlobalFiler™ (STRmix)					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
6DCFCA	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
6E9RCJ	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
6LNMY6	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15	no results			no results	
6RWWHU	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
6T64KM	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

6X2R2U	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
6XHT2B	Identifiler®					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
6XVMHC	GlobalFiler™ Express					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
76VAY4	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15	No results			No results	
7CZYVP	GlobalFiler™ Express					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	Not Detected			Not Detected	
7GR4QF	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
88H9Q8	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

8EEZ99	PowerPlex® Fusion 6C					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15					
8HJJDW	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	XX	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
8PFDDF	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
8PVQMK	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	XX	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	NA			NA	
8R6KXC	Investigator® 24plex GO!					
	12,19.3	17,24	11,11	15,15	8,11	N/A
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	XX	11,12
	20,23	N/A	N/A	18,23.2	8,9.3	8,11
	15,15	N/A	N/A	N/A	N/A	
8T3VTF	Identifiler® Direct					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		XX	11,12
	20,23				8,9.3	8,11
	15					
96AFCY	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	XX	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

9ECHUB	Identifiler®, Investigator® 24plex Go!					
	12,19.3	17,24	11,11	15,15	8,11	n/a
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	n/a	n/a	18,23.2	8,9.3	8,11
	15,15	n/a	n/a	n/a	n/a	
9JP9AD	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
9KK4FM	GlobalFiler™ Express					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	Not detected			Not detected	
9XLMA8	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
A6KL4T	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
A6MARY	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
A8BQ28	PowerPlex® Fusion 5C					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15	NR				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

AC96T3	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
AE9MDC	Identifiler® Plus					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
AJK747	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
ALWY3E	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15	NR	NR	NR		
AMMBE6	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
B3CQ22	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
B8QAJJ	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

BL7MHW	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
BWKNUV	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
BXDM23	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
CVA796	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
CW6K4B	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15					
CY9H46	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
D6BPME	PowerPlex® ESX 17 fast					
	12,19.3	17,24	11	15		
1		10,13	13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X	
	20,23			18,23.2	8,9.3	
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

D7MNF3	GlobalFiler™ (STRMIX)					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
D9G63X	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15	No Result			No Result	
DBK3B6	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
DEWW2A	PowerPlex® Fusion 5C					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15	--				
DG9MDY	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
E3HC2D	PowerPlex® ESI17					
	12,19.3	17,24	11,11	15,15		
1		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					
EG23ZF	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	Not detected			Not detected	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

EK343Y	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
EK39FL	Identifiler® Plus (STRmix)					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
EWCNLR	PowerPlex® Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15					
F4V8JY	Identifiler® Direct					
	-	17,24	-	15	8,11	-
1	8,10	10,13	-	-	11,12	9,11
	15,16	13,14	30,32.2	-	X,X	11,12
	20,23	-	-	-	8,9.3	8,11
	15	-	-	-	-	
F63NFA	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
FEUX68	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15	NR	NR	NR		
FF7UCW	GlobalFiler™ direct					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

FHTEG2	GlobalFiler™						
		12,19.3	17,24	11,11	15,15	8,11	
	1	8,10	10,13	13,13	17,26	11,12	9,11
		15,16	13,14	30,32.2	15,16	X,X	11,12
		20,23			18,23.2	8,9.3	8,11
	15,15						
FTCQVY	GlobalFiler™						
		12,19.3	17,24	11	15	8,11	
	1	8,10	10,13	13	17,26	11,12	9,11
		15,16	13,14	30,32.2	15,16	X	11,12
		20,23			18,23.2	8,9.3	8,11
	15						
FTCU4F	GlobalFiler™						
		12,19.3	17,24	11,11	15,15	8,11	
	1	8,10	10,13	13,13	17,26	11,12	9,11
		15,16	13,14	30,32.2	15,16	X,X	11,12
		20,23			18,23.2	8,9.3	8,11
	15,15	Not detected			Not detected		
FZWTWA	GlobalFiler™ (STRmix)						
		12,19.3	17,24	11,11	15,15	8,11	
	1	8,10	10,13	13,13	17,26	11,12	9,11
		15,16	13,14	30,32.2	15,16	X,X	11,12
		20,23			18,23.2	8,9.3	8,11
	15,15						
G8KC7Z	GlobalFiler™ (TrueAllele)						
		12,19.3	17,24	11	15	8,11	
	1	8,10	10,13	13	17,26	11,12	9,11
		15,16	13,14	30,32.2	15,16	X	11,12
		20,23			18,23.2	8,9.3	8,11
	15						
GDBH8G	GlobalFiler™						
		12,19.3	17,24	11,11	15,15	8,11	
	1	8,10	10,13	13,13	17,26	11,12	9,11
		15,16	13,14	30,32.2	15,16	X,X	11,12
		20,23			18,23.2	8,9.3	8,11
	15,15						
GJJ29V	ESI-17						
		12,19.3	17,24	11	15		
	1		10,13	13	17,25,26		9,11
		15,16	13,14	30,32.2	15,16	X,X	
		20,23			18,23.2	8,9.3	
	15						

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

GVXYBD	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	Not detected			Not detected	
GXW7NB	GlobalFiler™ PCR Amplification Kit					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
H3DY93	Investigator® 24plex GO!					
	12,19.3	17,24	11,11	15,15	8,11	N/A
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	N/A	N/A	18,23.2	8,9.3	8,11
	15,15	N/A	N/A	N/A	N/A	
HDUJTY	GlobalFiler™					
	17,26		11	15	8,11	
1	18,23.2	10,13	12,19.3	17,24	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			13	8,9.3	8,11
	15					
HE6N2G	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
HEXHHX	PowerPlex® Fusion 6C					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15					
HK9RUZ	Investigator® 24plex GO					
	12,19.3	17,24	11,11	15,15	8,11	N/A
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	N/A	N/A	18,23.2	8,9.3	8,11
	15,15	N/A	N/A	N/A	N/A	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

HQWAAW	Identifiler® Direct					
	-	17,24	-	15	8,11	-
1	8,10	10,13	-	-	11,12	9,11
	15,16	13,14	30,32.2	-	X,X	11,12
	20,23	-	-	-	8,9.3	8,11
	15	-	-	-	-	-
HXTNZJ	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
J6TN86	GlobalFiler™ (STRmix)					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
JDL26J	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
JGLAAU	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
JH2R9T	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
JHJHHD	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

JPFM33	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
JPJ3HN	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
JQCZPU	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
JY8XJP	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
JZWAC3	Identifiler® Plus					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
K6BCNQ	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
KFR59D	GlobalFiler™ (TrueAllele)					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

KRLFMT	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
KV6EX3	PowerPlex® ESI-17 Fast					
	12,19.3	17,24	11,11	15,15		
1	8,10	10,13	13,13	17,(25) 26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					
KZQE73	Identifiler® Plus					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
KZWEG4	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15					
L6KL9B	GlobalFiler™					
	12,19.3	17,24	11	15,15	8,11	n/a
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	n/a	n/a	18,23.2	8,9.3	8,11
	15,15	n/a	n/a	n/a	n/a	
L987FZ	Identifiler® Direct					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15					
LBCTT6	GlobalFiler™ (STRmix)					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

LECZFM	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
LKJK4K	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
LLTF37	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15	---			---	
LTUUPR	PowerPlex® Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15					
LYFPNB	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
M83CQQ	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	-			-	
M89GAA	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

M9L8GT	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
MLQAZ2	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	XX	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
MREWTL	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
MVGQVX	Identifiler® Plus					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		XX	11,12
	20,23				8,9.3	8,11
	15,15					
N39PG4	PowerPlex® Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15	NR				
N7PVDD	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
N8NZU8	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	XX	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	Not Detected			Not Detected	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

NP684H	GlobalFiler™ (GeneMapper ID-X)					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
NP7VQN	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15	No results			No results	
NRCFEN	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
NW6K9R	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
NWP388	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	Not detected			Not detected	
PR36U2	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
PXV69W	ESI17					
	12,19.3	17,24	11,11	15,15		
1		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

QA2MEQ	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
QHXHEA	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
QRLBNK	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
RAXB7Z	Identifiler® Plus					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
REUW9N	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
RHDXA3	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15					
RKGR7L	Identifiler® Plus (in house software)					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

T7RE3B	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
TCJXZ	PowerPlex® Fusion6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15					
TRWULM	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
U2YMEE	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
UD7KE9	NGM SElect					
	12,19.3	17,24	11,11	15,15		
1		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					
UD8EXE	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
VHL66U	PowerPlex® Fusion 6C Direct					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15	NR	NR	NR		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

VJX42N	PowerPlex® 21					
	12,19.3	17,24		15,15	8,11	18,18
1	8,10	10,13		17,26	11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
VPHZ6D	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
VZF8HP	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
W2WGCB	PowerPlex® Fusion					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15,15					
WA3LZL	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	NA
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	NA	NA	18,23.2	8,9.3	8,11
	15,15	NA	NA	NA	NA	
WJBXDH	Identifiler® Direct					
	-	17,24	-	15	8,11	-
1	8,10	10,13	-	-	11,12	9,11
	15,16	13,14	30,32.2	-	X,X	11,12
	20,23	-	-	-	8,9.3	8,11
	15	-	-	-	-	
WKJAQD	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

WWZUJM	Identifiler® Plus					
		17,24		15,15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
X6M8VR	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15					
XECWTF	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
XLP2EK	PowerPlex® ESI 17					
	12,19.3	17,24	11,11	15,15		
1		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					
XM4CHJ	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
XNX69W	GlobalFiler™ Express (STRmix)					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
XPBW7J	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	NA
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	NA	NA	18,23.2	8,9.3	8,11
	15,15	NA	NA	NA	NA	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

XPRVEB	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
XRG78P	Identifiler® Plus					
	-	17,24	-	15,15	8,11	-
1	8,10	10,13	-	-	11,12	9,11
	15,16	13,14	30,32.2	-	X,X	11,12
	20,23	-	-	-	8,9.3	8,11
	15,15	-	-	-	-	
XU2BQK	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
Y2ZVQU	PowerPlex® Fusion 6C, GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15					
Y7WGJH	PowerPlex® Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15	NR				
YC3BHK	PowerPlex® ESX16 Fast					
	12,19.3	17,24	11	15		
1		10,13	13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X	
	20,23				8,9.3	
	15					
YF3L8T	PowerPlex® Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13		8,9.3	8,11
	15	NR				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

YJMG9Z	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
YLPCR3	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
YNCQKJ	GlobalFiler™, Fusion					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15					
YRET7E	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
YWKPPE	Identifiler® Plus					
		17,24		15	8,11	
1	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X	11,12
	20,23				8,9.3	8,11
	15					
ZG97VT	GlobalFiler™					
	12,19.3	17,24	11	15	8,11	
1	8,10	10,13	13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X	11,12
	20,23			18,23.2	8,9.3	8,11
	15					
ZL7KMP	PowerPlex® Fusion 6C					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23	8,14	12,13	18,23.2	8,9.3	8,11
	15,15	NR	NR	NR		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

ZP49YP	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					
ZXWNFG	GlobalFiler™ Express					
	12,19.3	17,24	11,11	15,15	8,11	
1	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

26E8NM	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
2CVZED	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
2E4ZVD	PowerPlex® Fusion 5C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9				
2EHPUJ	Identifiler® Direct					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
2JUDVF	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
2PKRFG	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
369HUA	PowerPlex® ESI-17 Fast					
	16,17.3	20,22	14,14	15,17		
2		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

3AZNBX	Identifiler® Plus					
		20,22		15,17	8,12	
2		9,10	15,16		8,11	10,11
		16,17	13,15	28,29	X,Y	9,11
		22,26			7,9	6,8
		16,18				
3GYER2	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
3GZ9B8	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
3NМУKE	PowerPlex® Fusion					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26	2.2	13,15	7,9	6,8
		16,18	9			
3TFZ23	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
3X4MPF	NGM SElect					
		16,17.3	20,22	14,14	15,17	
2			15,16	12,14	17,20	10,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	
		16,18				
3XBR9Y	Identifiler® Plus					
		20,22		15,17	8,12	
2		9,10	15,16		8,11	10,11
		16,17	13,15	28,29	X,Y	9,11
		22,26			7,9	6,8
		16,18				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

427TUE	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
4ERBJC	Identifiler® Direct					
	-	20,22	-	15,17	8,12	-
2	9,10	15,16	-	-	8,11	10,11
	16,17	13,15	28,29	-	X,Y	9,11
	22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-	
4GXXWF	Investigator® 24plex GO					
	16,17.3	20,22	14,14	15,17	8,12	N/A
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	N/A	N/A	17,28.2	7,9	6,8
	16,18	9	N/A	N/A	N/A	
4MALWC	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
4PBR8C	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
4YXQZ3	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
63UU39	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

68QFYH	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6DCFCA	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6E9RCJ	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6LNMY6	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6RWWHU	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
6T64KM	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6X2R2U	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

6XHT2B	Identifiler®					
		20,22		15,17	8,12	
2		9,10	15,16		8,11	10,11
		16,17	13,15	28,29	X,Y	9,11
		22,26			7,9	6,8
		16,18				
6XVMHC	GlobalFiler™ Express					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
76VAY4	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
7CZYVP	GlobalFiler™ Express					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
7GR4QF	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
88H9Q8	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26		17,28.2	7,9	6,8
		16,18	9		2	
8EEZ99	PowerPlex® Fusion 6C					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26	2.2	13,15	17,28.2	7,9
		16,18	9	17	15	6,8

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

8HJJDW	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
8PFDDF	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
8PVQMK	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
8R6KXC	Investigator® 24plex GO!					
	16,17.3	20,22	14,14	15,17	8,12	N/A
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	N/A	N/A	17,28.2	7,9	6,8
	16,18	9	N/A	N/A	N/A	
8T3VTF	Identifiler® Direct					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
96AFCY	PowerPlex® Fusion					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2,2.2	13,15		7,9	6,8
	16,18	9				
9ECHUB	Identifiler®, Investigator® 24plex Go!					
	16,17.3	20,22	14,14	15,17	8,12	n/a
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	n/a	n/a	17,28.2	7,9	6,8
	16,18	9	n/a	n/a	n/a	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

9JP9AD	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
9KK4FM	GlobalFiler™ Express					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
9XLMA8	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
A6KL4T	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
A6MARY	PowerPlex® Fusion					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9				
A8BQ28	PowerPlex® Fusion 5C					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
AC96T3	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

AE9MDC	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
AJK747	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
ALWY3E	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
AMMBE6	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
B3CQ22	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
B8QAJJ	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
BL7MHW	PowerPlex® Fusion					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

BWKNUV	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
BXDM23	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
CVA796	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
CW6K4B	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2,2,2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
CY9H46	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
D6BPME	PowerPlex® ESX 17 fast					
	16,17.3	20,22	14	15,17		
2		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					
D7MNF3	GlobalFiler™ (STRMIX)					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

D9G63X	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
DBK3B6	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
DEWW2A	PowerPlex® 5C					
		16,17.3	20,22	14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26	2.2	13,15		7,9 6,8
		16,18	9			
DG9MDY	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
E3HC2D	PowerPlex® ESI 17					
		16,17.3	20,22	14,14	15,17	
2			15,16	12,14	17,20	10,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18				
EG23ZF	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
EK343Y	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
2		9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

EK39FL	Identifiler® Plus (STRmix)					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
EWCNLR	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
F4V8JY	Identifiler® Direct					
	-	20,22	-	15,17	8,12	-
2	9,10	15,16	-	-	8,11	10,11
	16,17	13,15	28,29	-	X,Y	9,11
	22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-	
F63NFA	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
FEUX68	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
FF7UCW	GlobalFiler™ direct					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
FHTEG2	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

FTCQVY	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
FTCU4F	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
FZWTWA	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
G8KC7Z	GlobalFiler™ (TrueAllele)					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
GDBH8G	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
GJJ29V	ESI-17					
	16,17.3	20,22	14	15,17		
2		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					
GVXYBD	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

GXW7NB	GlobalFiler™ PCR Amplification Kit					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
H3DY93	Investigator® 24plex GO!					
	16,17.3	20,22	14,14	15,17	8,12	N/A
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	N/A	N/A	17,28.2	7,9	6,8
	16,18	9	N/A	N/A	N/A	
HDUJTY	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
HE6N2G	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
HEXHHX	PowerPlex® Fusion 6C					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
HK9RUZ	Investigator® 24plex GO					
	16,17.3	20,22	14,14	15,17	8,12	N/A
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	N/A	N/A	17,28.2	7,9	6,8
	16,18	9	N/A	N/A	N/A	
HQWAAW	Identifiler® Direct					
	-	20,22	-	15,17	8,12	-
2	9,10	15,16	-	-	8,11	10,11
	16,17	13,15	28,29	-	X,Y	9,11
	22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

HXTNZJ	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
J6TN86	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
JDL26J	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
JGLAAU	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
JH2R9T	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
JHJHHD	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
JPFM33	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

JPJ3HN	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
JQCZPU	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
JY8XJP	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
JZWAC3	Identifiler® Plus						
			20,22		15,17	8,12	
	2	9,10	15,16			8,11	10,11
		16,17	13,15	28,29		X,Y	9,11
		22,26				7,9	6,8
		16,18					
K6BCNQ	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
KFR59D	GlobalFiler™ (TrueAllele)						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
KRLFMT	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

KV6EX3	PowerPlex® ESI-17 Fast					
	16,17.3	20,22	14,14	15,17		
2		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					
KZQE73	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
KZWEG4	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
L6KL9B	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	n/a
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	n/a	n/a	17,28.2	7,9	6,8
	16,18	9	n/a	n/a	2	
L987FZ	Identifiler® Direct					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
LBCTT6	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
LECZFM	PowerPlex® Fusion					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

LKJK4K	GlobalFiler™						
	16,17.3	20,22	14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26			17,28.2	7,9	6,8	
	16,18	9			2		
LLTF37	GlobalFiler™						
	16,17.3	20,22	14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26			17,28.2	7,9	6,8	
	16,18	9			2		
LTUUPR	PowerPlex® Fusion						
	16,17.3	20,22	14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26	2.2	13,15		7,9	6,8	
	16,18	9					
LYFPNB	GlobalFiler™						
	16,17.3	20,22	14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26			17,28.2	7,9	6,8	
	16,18	9			2		
M83CQQ	GlobalFiler™						
	16,17.3	20,22	14,14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26			17,28.2	7,9	6,8	
	16,18	9			2		
M89GAA	GlobalFiler™						
	16,17.3	20,22	14,14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26			17,28.2	7,9	6,8	
	16,18	9			2		
M9L8GT	GlobalFiler™						
	16,17.3	20,22	14	15,17	8,12		
	2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11	
	22,26			17,28.2	7,9	6,8	
	16,18	9			2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

MLQAZ2	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
MREWTL	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
MVGQVX	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
N39PG4	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
N7PVDD	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
N8NZU8	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
NP684H	GlobalFiler™ (GeneMapper ID-X)					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

NP7VQN	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	2	9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18	9			2
NRCFEN	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	2	9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18	9			2
NW6K9R	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	2	9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18	9			2
NWP388	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
	2	9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18	9			2
PR36U2	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	2	9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18	9			2
PXV69W	ESI 17					
		16,17.3	20,22	14,14	15,17	
	2		15,16	12,14	17,20	10,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18				
QA2MEQ	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	2	9,10	15,16	12,14	17,20	8,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18	9			2

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

QHXHEA	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
QRLBNK	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
RAXB7Z	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
REUW9N	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
RHDXA3	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
RKGR7L	Identifiler® Plus (in house software)					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
T7RE3B	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

TCJJXZ	PowerPlex® Fusion6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
TRWULM	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
U2YMEE	PowerPlex® Fusion					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9				
UD7KE9	NMGSelect					
	16,17.3	20,22	14,14	15,17		
2		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					
UD8EXE	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
VHL66U	PowerPlex® Fusion 6C Direct					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
VJX42N	PowerPlex® 21					
	16,17.3	20,22		15,17	8,12	10,12
2	9,10	15,16		17,20	8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

VPHZ6D	PowerPlex® Fusion						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9					
VZF8HP	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
W2WGCB	PowerPlex® Fusion						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9					
WA3LZL	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	NA
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	NA	NA	17,28.2	7,9	6,8
	16,18	9	NA	NA	2		
WJBXDH	Identifiler® Direct						
		-	20,22	-	15,17	8,12	-
	2	9,10	15,16	-	-	8,11	10,11
		16,17	13,15	28,29	-	X,Y	9,11
		22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-		
WKJAQD	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
WWZUJM	Identifiler® Plus						
			20,22		15,17	8,12	
	2	9,10	15,16			8,11	10,11
		16,17	13,15	28,29		X,Y	9,11
		22,26				7,9	6,8
	16,18						

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

X6M8VR	PowerPlex® Fusion 6C						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
		16,18	9	17	15		
XECWTF	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
XLP2EK	PowerPlex® ESI 17						
		16,17.3	20,22	14,14	15,17		
	2		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26			17,28.2	7,9	
		16,18					
XM4CHJ	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
XNX69W	GlobalFiler™ Express (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
XPBW7J	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	NA
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	NA	NA	17,28.2	7,9	6,8
		16,18	9	NA	NA	2	
XPRVEB	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	2	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

XRG78P	Identifiler® Plus					
	-	20,22	-	15,17	8,12	-
2	9,10	15,16	-	-	8,11	10,11
	16,17	13,15	28,29	-	X,Y	9,11
	22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-	-
XU2BQK	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
Y2ZVQU	PowerPlex® Fusion 6C, GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15	2	
Y7WGJH	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
YC3BHK	PowerPlex® ESX16 Fast					
	16,17.3	20,22	14	15,17		
2		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26				7,9	
	16,18					
YF3L8T	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
YJMG9Z	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

YLPCR3	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
YNCQKJ	GlobalFiler™, Fusion					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2	13,15	17,28.2	7,9	6,8
	16,18	9			2	
YRET7E	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
YWKPPE	Identifiler® Plus					
		20,22		15,17	8,12	
2	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
ZG97VT	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
ZL7KMP	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
ZP49YP	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

ZXWNFG	GlobalFiler™ Express					
	16,17.3	20,22	14,14	15,17	8,12	
2	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

AMMBE6	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
B8QAJJ	PowerPlex® Fusion 6C (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
JPFM33	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JQCZPU	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
M83CQQ	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
RAXB7Z	Identifiler® Plus (LR mixStudio-2.1.3)					
		17,20,22,24		15,17	8,11,12	
3	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

26E8NM	PowerPlex® Fusion 6C					
	12,[16],[17.3],19.3	17,[20],[22],24	11,14	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]	2.2,8,14	12,13,[15]	[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9	17	15		
27LR4A	GlobalFiler™					
	12,(16),(17.3),19.3	17,20,22,24	11,14	15,(17)	8,11,(12)	
3e	8,(9),10	10,13,(15),(16)	(12),13,(14)	17,(20),26	(8),11,12	9,(10),11
	15,16,(17)	13,14,(15)	(28),(29),30,32.2	15,16,(17)	X,(Y)	(9),11,12
	20,(22),23,(26)			(17),18,23.2,(28.2)	7,8,9,9.3	(6),8,11
	15,(16),(18)	9			2	
2E4ZVD	PowerPlex® Fusion 5C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
2EHPUJ	Identifiler® Plus (DNA VIEW ver37.33)					
		17,20,22,24		15,17	8,11,12	
3e	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
2JUDVF	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
2PKRFG	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
369HUA	PowerPlex® ESI-17 Fast					
	12,(16,17.3),19.3	17,(20,22),24	11,11,(14)	15,15,(17)		
3e		10,13,(15,16)	(12),13,13,(14)	17,(20),26		9,(10),11
	15,16,(17)	13,14,(15)	(28,29),30,32.2	15,16,(17)	X,X,(Y)	
	20,(22),23,(26)			(17),18,23.2,(28.2)	(7),8,(9),9.3	
	15,15,(16,18)					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

3AZNBX	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
3GYER2	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
3NМУKE	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
3TFZ23	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
3X4MPF	NGM SElect					
	12,16,17.3,19.3	17,20,22,[23],24	11,14	15,17		
3e		10,13,15,16	12,13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
3XBR9Y	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
427TUE	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14],[14]	15,15,[15],[17]	8,[8],11,[12]	
3e	8,[9],[10],10	10,13,[15],[16]	[12],13,13,[14]	17,[17],[20],26	[8],[11],11,12	9,[10],11
	15,16,[16],[17]	13,[13],14,[15]	[28],[29],30,32.2	15,16,[16],[17]	X,X,[X],[Y]	[9],[11],11,12
	20,[22],[23],[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],[8],8,11
	15,15,[16],[18]	[9]			[2]	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

4ERBJC	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	-
3e		8,9,10	10,13,15,16	-	8,11,12	9,10,11
		15,16,17	13,14,15	28,29,30,32.2	-	X,Y
		20,22,23,26	-	-	-	7,8,9,9.3
		15,16,18	-	-	-	6,8,11
4GXXWF	Identifiler®, Investigator® 24plex QS					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
3e		8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3
		15,16,18	9	N/A	N/A	N/A
4MALWC	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
3e		8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
		15,16,18	9			2
4PBR8C	GlobalFiler™ (STRmix)					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
3e		8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
		15,16,18	9			2
4YXQZ3	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
3e		8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
		15,16,18	9			2
63UU39	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
3e		8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
		15,16,18	9			2
68QFYH	GlobalFiler™ (STRmix)					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
3e		8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
		15,16,18	9			2

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

6DCFCA	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,[15]	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,[9.3]	6,8,11
	15,16,18	9			2	
6E9RCJ	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6RWWHU	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6T64KM	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6X2R2U	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6XHT2B	Identifiler®					
		17,24		15,15	8,11	
3e	8,10	10,13			11,12	9,11
	15,16	13,14	30,32.2		X,X	11,12
	20,23				8,9.3	8,11
	15,15					
6XVMHC	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
3e	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

7CZYVP	GlobalFiler™					
	12,16,[17.3],19.3	17,[20],[22],24	11,14	15,15,[17]	8,11,12	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	28,29,30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,26			[17],18,23.2,[28.2]	[7],8,9,9.3	[6],8,11
	15,[16],[18]	9			2	
7GR4QF	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9			2	
88H9Q8	GlobalFiler™					
	12,(16),(17.3),19.3	17,(20),(22),24	11,14	15,(17)	8,11,(12)	
3e	8,(9),10	10,13,(15),(16)	(12),13,(14)	17,(20),26	(8),11,12	9,(10),11
	15,16,(17)	13,14,(15)	(28),(29),30,32.2	15,16,(17)	X,(Y)	(9),11,12
	20,(22),23,(26)			(17),18,23.2,(28.2)	7,8,9,9.3	(6),8,11
	15,(16),(18)	9			2	
8EEZ99	PowerPlex® Fuison 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
8HJJDW	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
8PFDDF	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
8PVQMK	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
3e	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15	NA			NA	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

8R6KXC	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	N/A
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	N/A	N/A	N/A	
8T3VTF	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
3e	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
96AFCY	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13		7,8,9,9.3	6,8,11
	15,16,18	9				
9ECHUB	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	n/a
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	n/a	n/a	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	n/a	n/a	n/a	
9JP9AD	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
9KK4FM	GlobalFiler™					
	12,[16],[17.3],19.3	17,20,[22],24	11,[14]	15,15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	28,29,30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,22,23,[26]			[17],18,23.2,[28.2]	[7],8,9,9.3	[6],8,11
	15,15,[16],[18]	9			2	
9XLMA8	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

A6KL4T	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
A6MARY	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
A8BQ28	PowerPlex® Fusion 5C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
AE9MDC	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
3e	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
AJK747	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ALWY3E	PowerPlex® Fusion 6C					
	12,[16],[17.3],19.3	17,20,[22],24	11,14	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	8,11,12	9,[10],11
	15,16,[17]	13,14,[15]	28,[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]	2.2,8,14	12,13,[15]	17,18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,16,[18]	[9]	[17]	[15]		
B3CQ22	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

BL7MHW	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
BWKNUV	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
BXDM23	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
CVA796	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
CW6K4B	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,[20],26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	[7],8,9,9.3	6,8,11
	15,16,18	9	17	15		
CY9H46	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
D6BPME	PowerPlex® ESX 17 fast					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
3e		10,13,15,16	12,13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

D7MNF3	GlobalFiler™ (STRMIX)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
DBK3B6	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14]	15,15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],[8],[9],[9.3]	[6],8,11
	15,15,[16],[18]	9			2	
DEWW2A	PowerPlex® Fusion 5C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13		7,8,9,9.3	6,8,11
	15,16,18	9				
DG9MDY	GlobalFiler™ (STRMIX)					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14]	15,15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,15,[16],[18]	[9]			[2]	
E3HC2D	PowerPlex® ESI17 (STRmix)					
	12,[16],17.3,19.3	17,20,22,24	11,[14]	15,[17]		
3e		10,13,15,16	[12],13,[14]	17,[20],26		9,10,11
	15,16,[17]	13,14,[15]	28,29,30,32.2	15,16,[17]	X,[Y]	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,[16],[18]					
EG23ZF	GlobalFiler™					
	12,16,17.3,19.3	[17],20,22,[24]	11,14	15,[17]	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,[20],[26]	8,11,[12]	9,10,11
	15,16,17	13,[14],15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,12
	20,22,23,26			17,18,[23.2],28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
EK343Y	GlobalFiler™ (STRmix)					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	7,8,9,9.3	[6],8,11
	15,[16],[18]	[9]			[2]	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

EK39FL	GlobalFiler™ (STRmix)						
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12		
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y		9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3		6,8,11
	15,16,18	9			2		
EWCNLR	PowerPlex® Fusion						
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]		
	3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]		[9],11,12
	20,[22],23,[26]	2.2,8,14	12,13,[15]		[7],8,[9],9.3		[6],8,11
	15,[16],[18]	9					
F4V8JY	Identifiler® Plus						
	-	17,20,22,24	-	15,17	8,11,12	-	
	3e	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3		6,8,11
	15,16,18	-	-	-	-		
F63NFA	GlobalFiler™ (STRmix)						
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12		
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y		9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3		6,8,11
	15,16,18	9			2		
FEUX68	PowerPlex® Fusion 6C						
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12		
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y		9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3		6,8,11
	15,16,18	9	17	15			
FF7UCW	GlobalFiler™						
	12,[16],[17.3],19.3	17,20,22,24	11,[14]	15,[17]	8,11,[12]		
	3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]		[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3		[6],8,11
	15,[16],[18]	9			2		
FHTEG2	GlobalFiler™						
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14]	15,15,[17]	8,11,[12]		
	3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,X,[Y]		[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3		[6],8,11
	15,15,[16],[18]	[9]			[2]		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

FTCQVY	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
FTCU4F	GlobalFiler™					
	12,[16],[17.3],19.3	17,20,22,24	11,14	15,15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	28,[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]			17,18,23.2,[28.2]	7,8,9,9.3	[6],8,11
	15,15,[16],[18]	9			2	
FZWTWA	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
G8KC7Z	GlobalFiler™ (TrueAllele)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
GDBH8G	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
GJJ29V	ESI-17					
	12,(15),(15.2), 16,17.3,19.3	17,20,22,24	11,14	15,17		
3e		10,13,15,16	12,13,14	17,20,25,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,(25),26			17,18,23.2,28.2,29	7,8,9,9.3	
	15,16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

GVXYBD	GlobalFiler™					
	12,16,17.3,(19.3)	(17),20,22,(24)	(11),14,14	15,17	8,(11),12	
3e	(8),9,10	(10),(13),15,16	12,13,14	17,20,(26)	8,11,(12)	(9),10,11
	(15),16,17	13,(14),15	28,29,(30),(32.2)	(15),16,17	X,Y	9,11,(12)
	(20),22,(23),26			17,(18),(23.2),28.2	7,(8),9,(9.3)	6,8,(11)
	15,16,18	9			2	
GXW7NB	GlobalFiler™ PCR Amplification Kit					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
H3DY93	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	N/A
3e	8,9,10	10,13,15,16	13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	N/A	N/A	N/A	
HDUJTY	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
HE6N2G	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
HEXHHX	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
HK9RUZ	Identifiler®, Investigator® 24plex QS					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	N/A
3e	8,[9],10	10,13,[15],[16]	13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]	N/A	N/A	[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9	N/A	N/A	N/A	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

HQWAAW	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
3e	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	-
HXTNZJ	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
J6TN86	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JDL26J	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JGLAAU	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JH2R9T	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	[9]			[2]	
JHJHHD	GlobalFiler™ (STRmix)					
	12,[16,17.3],19.3	17,20,22,24	11,[14]	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15,16]	[12],13,[14]	17,[20],26	[8],11,12	9,10,11
	15,16,[17]	13,14,[15]	[28,29],30,32.2	15,16,17	X,[Y]	[9],11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],8,11
	15,[16,18]	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

JPJ3HN	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e 8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JY8XJP	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e 8,9,10	10,13,15,16	13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	11,12
	20,22,23,26			18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JZWAC3	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
	3e 8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
K6BCNQ	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e 8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
KFR59D	GlobalFiler™ (TrueAllele)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e 8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
KRLFMT	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e 8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

KV6EX3	PowerPlex® ESI-17					
	12,(15),16,(16.3),17.3,19.3	17,20,22,24	11,14	15,17		
	3e	10,13,15,16	12,13,14	17,20,25,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
KZQE73	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
	3e	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
KZWEG4	PowerPlex® Fusion 6C					
	12,[16],[17.3],19.3	17,[20],[22],24	11,14	15,[17]	8,11,[12]	
	3e	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]	2.2,8,14	12,13,[15]	[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9	17	15		
L6KL9B	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	n/a
	3e	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	n/a	n/a	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	n/a	n/a	2	
L987FZ	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
	3e	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
LBCTT6	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9		2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

LECZFM	PowerPlex® Fusion					
	12,16,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
LKJK4K	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
LLTF37	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
LTUUPR	PowerPlex® Fusion					
	12,16,17.3,19.3	20,22,24	11,14	15,17	8,12	
3e	10	10,13,15,16	12,13,14	17,20	8,11,12	10,11
	15,16,17	13,14,15		16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,18	9				
LYFPNB	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
M89GAA	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
M9L8GT	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

MLQAZ2	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
MREWTL	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
MVGQVX	Identifiler® Plus					
			17,20,22,24		15,17	8,11,12
	3e	8,9,10	10,13,15,16			8,11,12
		15,16,17	13,14,15	28,29,30,32.2		X,Y
		20,22,23,26				7,8,9,9.3
	15,16,18				6,8,11	
N39PG4	PowerPlex® Fusion					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3
	15,16,18	9			6,8,11	
N7PVDD	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
N8NZU8	GlobalFiler™					
		12,16,17.3,19.3	17,20,22,24	11,14	15,[17]	8,11,12
	3e	8,9,10	10,13,15,16	12,13,14	17,[20],26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
NJDZJN	GlobalFiler™					
		12,[16],[17.3],19.3	17,[20],[22],24	11,14	15,[17]	8,11,12
	3e	8,[9],10	10,13,[15],[16]	12,13,14	17,[20],26	[8],11,12
		15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]
		20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3
	15,[16],[18]	9			[6],8,11	
					2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

NP684H	GlobalFiler™ (GeneMapper ID-X)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NP7VQN	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NRCFEN	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9			2	
NW6K9R	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],24	11,[14]	15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9			2	
NWP388	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14]	15,15,[17]	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,15,[16],[18]	9			2	
PR36U2	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,26	8,11,12	9,10,11
	15,16,17	13,14,15	29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
PXV69W	ESI 17					
	12,19.3	17,24	11,11	15,15		
3e		10,13	13,13	17,26		9,11
	15,16	13,14	30,32.2	15,16	X,X	
	20,23			18,23.2	8,9.3	
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

QA2MEQ	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
QHXHEA	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
QRLBNK	GlobalFiler™ (STRMIX)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
RHDXA3	PowerPlex® Fusion 6C (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
RKGR7L	Identifiler® Plus (in house software)					
		17,20,22,24		15,17	8,11,12	
3e	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
T7RE3B	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
TCJXZ	PowerPlex® Fusion6C (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

TRWULM	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
U2YMEE	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,11,[14]	15,15,[17]	8,11,[12]	
3e	8,9,10	10,13,15,16	[12],13,13,[14]	17,[20],26	8,11,12	9,[10],11
	15,16,[17]	13,14,[15]	28,29,30,32.2	15,16,[17]	X,X,[Y]	9,11,12
	20,[22],23,[26]	2.2,8,14	12,13,[15]		7,8,9,9.3	[6],8,11
	15,15,[16],[18]	9				
UD7KE9	NMGSelect					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
3e		10,13,15,16	12,13,14	17,20,[25],26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
UD8EXE	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
VJX42N	PowerPlex® 21 (STRmix)					
	12,16,17.3,19.3	17,20,22,24		15,17	8,11,12	10,12,18
3e	8,9,10	10,13,15,16		17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18					
VPHZ6D	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
VZF8HP	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,[17]	8,[11],[12]	
3e	8,[9],10	10,13,15,16	[12],13,[14]	17,[20],[26]	[8],11,[12]	9,[10],11
	15,16,[17]	13,[14],[15]	28,29,30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,22,23,26			17,18,23.2,[28.2]	7,8,9,9.3	6,8,11
	15,[16],[18]	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

W2WGCB	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	[12],13,13,[14]	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
WA3LZL	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14],[14]	15,15,[17]	8,11,[12]	NA
3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]	NA	NA	[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,15,[16],[18]	[9]	NA	NA	[2]	
WJBXDH	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
3e	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	
WKJAQD	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
WWZUJM	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
3e	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
X6M8VR	PowerPlex® Fusion 6C					
	12,[16],[17.3],19.3	17,[20],[22],24	11,14	15,17	8,11,[12]	
3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,20,26	8,11,12	9,[10],11
	15,16,[17]	13,14,15	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]	2.2,8,14	12,13,15	[17],18,23.2,[28.2]	[7],8,[9],9.3	6,8,11
	15,[16],[18]	9	[17]	[15]		
XECWTF	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

XLP2EK	PowerPlex® ESI 17 (STR mix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
	3e	10,13,15,16	13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,20,23.2,28.2	7,8,9,9.3	
	15,16,18					
XM4CHJ	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14]	15,15,[17]	8,11,[12]	
	3e	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,15,[16],[18]	[9]		[2]		
XNX69W	GlobalFiler™ (STRmix)					
	12,16,17.3,18.3,19.3	17,20,22,24	10,11,14	14,15,17	8,11,12	
	3e	8,9,10	9,10,12,13,15,16	12,13,14	17,20,26	8,10,11,12
	14,15,16,17	12,13,14,15	28,29,30,32.2	15,16,17	X,Y	9,10,11,12
	19,20,22,23,26			17,18,22.2,23.2,28.2	7,8,9,9.3	6,8,11,Q
	14,15,16,18	9		2		
XPBW7J	GlobalFiler™					
	12,[16],[17.3],19.3	[17],[20],[22],24	11,14	15,[17]	8,11,[12]	NA
	3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,22,23,[26]	NA	NA	[17],18,23.2,[28.2]	[7],[8],[9],9.3	[6],8,11
	15,[16],[18]	[9]	NA	NA	[2]	
XPRVEB	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9		2		
XRG78P	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
	3e	8,9,10	10,13,15,16	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

XU2BQK	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
Y2ZVQU	PowerPlex® ESX17 and ESIPro17 (LRmixStudio)					
	12,[16,17.3],19.3	17,[20,22],24	11,[14]	15,[17]		
	3e	10,13,[15,16]	[12],13,[14]	17,[20],26		9,[10],11
	15,16,[17]	13,14,[15]	[28,29],30,32.2	15,16,[17]	X,X,[X,Y]	
	20,[22],23,[26]			[17],18,23.2,[28.2]	7,8,9,9.3	
	15,[16,18]					
Y7WGJH	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,[14]	15,[17]	8,11,[12]	
	3e	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]	2.2,8,14	12,13,[15]		[7],8,[9],9.3	[6],8,11
	15,[16],[18]	[9]				
YC3BHK	PowerPlex® ESX16 Fast					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]		
	3e	10,13,[15],[16]	13	17,[20],26		9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	
	20,[22],23,[26]				[7],8,[9],9.3	
	15,[16],[18]					
YF3L8T	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
YJMG9Z	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YLPCR3	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3e - STR Results

YNCQKJ	GlobalFiler™, Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YRET7E	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YWKPPE	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ZG97VT	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ZL7KMP	PowerPlex® Fusion 6C					
	12,[16],[17.3],19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,[20],26	8,11,12	9,[10],11
	15,16,[17]	13,14,15	28,29,30,32.2	15,16,[17]	X,Y	[9],11,12
	20,[22],23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	[7],8,[9],[9.3]	6,8,11
	15,16,18	9	[17]	15		
ZP49YP	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
3e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ZXWNFG	GlobalFiler™					
	12,19.3	17,24	11,11	15,15	8,11	
3e	8,10	10,13	13,13	17,26	11,12	9,11
	15,16	13,14	30,32.2	15,16	X,X	11,12
	20,23			18,23.2	8,9.3	8,11
	15,15					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

26E8NM	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
27LR4A	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
2E4ZVD	PowerPlex® Fusion 5C					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	[10,13],15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9				
2EHPUJ	Identifiler® Plus (DNA VIEW ver37.33)					
		20,22		15,17	8,12	
3sp	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
2JUDVF	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
2PKRFG	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
369HUA	PowerPlex® ESI-17 Fast					
	16,17.3	20,22	14,14	15,17		
3sp		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

3AZNBX	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
3GYER2	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
3NМУKE	PowerPlex® Fusion					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26	2.2	13,15		7,9 6,8
		16,18	9			
3TFZ23	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
3X4MPF	NGM SElect					
		16,17.3	20,22	14,14	15,17	
	3sp		15,16	12,14	17,20	10,11
		16,17	13,15	28,29	16,17	X,Y
		22,26			17,28.2	7,9
		16,18				
3XBR9Y	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
427TUE	GlobalFiler™					
		16,17.3,[19.3]	[17],20,22	[11],14,14	15,17	8,12
	3sp	9,10	[10],[13],15,16	12,14	17,20	8,11,[12] 10,11
		16,17	13,15	28,29,[32.2]	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

4ERBJC	Identifiler® Plus					
	-	20,22	-	15,17	8,12	-
3sp	9,10	15,16	-	-	8,11	10,11
	16,17	13,15	28,29	-	X,Y	9,11
	22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-	-
4GXXWF	Identifiler®, Investigator® 24plex QS					
	[12],16,17.3	20,22	[11],14	15,17	8,12	N/A
3sp	[8],9,10	15,16	12,[13],14	17,20	8,11	[9],10,11
	16,17	13,[14],15	28,29	16,17	X,Y	9,11
	22,26	N/A	N/A	17,28.2	7,9	6,8,[11]
	[15],16,18	9	N/A	N/A	N/A	-
4MALWC	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	-
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	-	-	17,28.2	7,9	6,8
	16,18	9	-	-	2	-
4PBR8C	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14	15,17	8,12	-
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	-	-	17,28.2	7,9	6,8
	16,18	9	-	-	2	-
4YXQZ3	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	-
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	-	-	17,28.2	7,9	6,8
	16,18	9	-	-	2	-
63UU39	GlobalFiler™					
	16,17.3	17,20,22	11,14	15,17	8,12	-
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29,32.2	16,17	X,Y	9,11
	22,26	-	-	17,28.2	7,9	6,8
	16,18	9	-	-	2	-
68QFYH	GlobalFiler™ (STRmix)					
	12,16,17.3	17,20,22,24	11,14	15,17	8,12	-
3sp	9,10	10,13,15,16	12,14	17,20,26	8,11	9,10,11
	16,17	13,15	28,29,30	16,17	X,Y	9,11
	20,22,26	-	-	17,18,23,2,28.2	7,9,9.3	6,8,11
	16,18	9	-	-	2	-

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

6DCFCA	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6E9RCJ	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,12	
3sp	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11	9,10,11
	15,16,17	13,14,15	28,29	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6RWWHU	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6T64KM	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6X2R2U	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
6XHT2B	Identifiler®					
		20,22		15,17	8,12	
3sp	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
6XVMHC	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

7CZYVP	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
7GR4QF	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
88H9Q8	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
8EEZ99	PowerPlex® Fuison 6C						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2	13,15	17,28.2	7,9	6,8
		16,18	9	17	15		
8HJJDW	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
8PFDDF	GlobalFiler™ (STRmix)						
		16,17.3	20,22	11,14	15,17	8,12	
	3sp	9,10	13,15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29,30	16,17	X,Y	9,11
		20,22,26			17,28.2	7,8,9	6,8
		16,18	9			2	
8PVQMK	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

8R6KXC	Identifiler®, Investigator® 24plex QS						
	[12],16,17.3,[19.3]	[17],20,22	14	15,17	8,[11],12	N/A	
	3sp	9,10	[13],15,16	12,14	17,20	8,11	10,11
		[15],16,17	13,[14],15	28,29,[32.2]	16,17	X,Y	9,11
		22,26	N/A	N/A	17,28.2	7,[8],9	6,8
	16,18	9	N/A	N/A	N/A		
8T3VTF	Identifiler® Plus						
			20,22	15,17	8,12		
	3sp	9,10	15,16		8,11	10,11	
		16,17	13,15	28,29	X,Y	9,11	
		22,26			7,9	6,8	
	16,18						
96AFCY	PowerPlex® Fusion						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9					
9ECHUB	Identifiler®, Investigator® 24plex QS						
		16,17.3	20,22	14,14	15,17	8,12	n/a
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	n/a	n/a	17,28.2	7,9	6,8
	16,18	9	n/a	n/a	n/a		
9JP9AD	GlobalFiler™						
		16,17.3	17,20,22,24	11,14	15,17	8,12	
	3sp	9,10	10,15,16	12,14	17,20,26	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
9KK4FM	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
9XLMA8	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

A6KL4T	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
A6MARY	PowerPlex® Fusion					
		16,17.3	20,22	14,14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26	2.2,2.2	13,15		7,9 6,8
		16,18	9			
A8BQ28	PowerPlex® Fusion 5C					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26	2.2	13,15		7,9 6,8
		16,18	9			
AE9MDC	Identifiler® Plus					
			20,22		15,17	8,12
	3sp	9,10	15,16			8,11 10,11
		16,17	13,15	28,29		X,Y 9,11
		22,26				7,9 6,8
		16,18				
AJK747	GlobalFiler™					
		16,17.3	20,22	14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2
ALWY3E	PowerPlex® Fusion 6C					
		16,17.3	20,22	14,14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9 6,8
		16,18	9	17	15	
B3CQ22	GlobalFiler™					
		16,17.3	20,22	14,14	15,17	8,12
	3sp	9,10	15,16	12,14	17,20	8,11 10,11
		16,17	13,15	28,29	16,17	X,Y 9,11
		22,26			17,28.2	7,9 6,8
		16,18	9			2

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

BL7MHW	PowerPlex® Fusion						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9					
BWKNUV	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
BXDM23	GlobalFiler™						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,12	
	3sp	8,9,10	10,15,16	12,13,14	17,20,26	8,11,12	9,10,11
		15,16,17	13,14,15	28,29,30	15,16,17	X,Y	9,11,12
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2		
CVA796	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
CW6K4B	PowerPlex® Fusion 6C						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15			
CY9H46	GlobalFiler™ (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
D6BPME	PowerPlex® ESX 17 fast						
		16,17.3	20,22	14	15,17		
	3sp		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26			17,28.2	7,9	
	16,18						

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

D7MNF3	GlobalFiler™ (STRMIX)					
	16,17.3	20,22,24	14	15,17	8,12	
3sp	9,10	10,15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
DBK3B6	GlobalFiler™					
	16,17.3	20,22	[11],14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	[20],22,26			17,28.2	7,9	6,8
	16,18	9			2	
DEWW2A	PowerPlex® Fusion 5C					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2	13,15		7,9	6,8
	16,18	9				
DG9MDY	GlobalFiler™ (STRMIX)					
	[12],16,17.3,[19.3]	[17],20,22	[11],14,14	15,17	8,12	
3sp	9,10	[13],15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8,[11]
	16,18	9			2	
E3HC2D	PowerPlex® ESI17 (STRmix)					
	16,17.3	20,22	14,14	15,17		
3sp		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					
EG23ZF	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
EK343Y	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	[8],9,10	15,16	12,14	17,20	8,11	10,11
	[15],16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

EK39FL	GlobalFiler™ (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
EWCNLR	PowerPlex® Fusion						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2	13,15		7,9	6,8
		16,18	9				
F4V8JY	Identifiler® Plus						
		-	20,22	-	15,17	8,12	-
	3sp	9,10	15,16	-	-	8,11	10,11
		16,17	13,15	28,29	-	X,Y	9,11
		22,26	-	-	-	7,9	6,8
		16,18	-	-	-	-	
F63NFA	GlobalFiler™ (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20,26	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,8,9,9.3	6,8
		16,18	9			2	
FEUX68	PowerPlex® Fusion 6C						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
		16,18	9	17	15		
FF7UCW	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
FHTEG2	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

FTCQVY	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
FTCU4F	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
FZWTWA	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
G8KC7Z	GlobalFiler™ (TrueAllele)					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
GDBH8G	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
GJJ29V	ESI-17					
	15,16,17.3	20,21,22	14	15,17		
3sp		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2,(29)	7,9	
	16,18					
GVXYBD	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

GXW7NB	GlobalFiler™ PCR Amplification Kit						
		12,16,17.3,19.3	17,20,22,24	14	15,17	8,11,12	
	3sp	9,10	13,15,16	12,13,14	17,20	8,11,12	9,10,11
		16,17	13,14	28,29,30	15,16,17	X,Y	9,11,12
		22,26			17,18,23.2,28.2	7,8	6,8
	15,16,18	9			2		
H3DY93	Identifiler®, Investigator® 24plex QS						
		16,17.3	20,22	14	15,17	8,12	N/A
	3sp	[8],9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,[14],15	28,29	16,17	X,Y	9,11
		22,26	N/A	N/A	17,28.2	7,[8],9	6,8
	[15],16,18	9	N/A	N/A	N/A		
H DUJTY	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
HE6N2G	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
HEXHHX	PowerPlex® Fusion 6C						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15			
HK9RUZ	Identifiler®, Investigator® 24plex QS						
		16,17.3	20,22	14,14	15,17	8,12	N/A
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	N/A	N/A	17,28.2	7,9	6,8
	16,18	9	N/A	N/A	N/A		
HQWAAW	Identifiler® Plus						
		-	20,22	-	15,17	8,12	-
	3sp	9,10	15,16	-	-	8,11	10,11
		16,17	13,15	28,29	-	X,Y	9,11
		22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

HXTNZJ	GlobalFiler™						
	3sp	16,17.3	20,22,[24]	14	15,17	8,12	
		9,10	[10],[13],15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		[20],22,26			17,[23.2],28.2	7,9	6,8,[11]
	16,18	9			2		
J6TN86	GlobalFiler™ (STRmix)						
	3sp	12,16,17.3	20,22	11,14	15,17	8,11,12	
		8,9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	15,16,17	X,Y	9,11
		22,26			17,28.2	7,8,9	6,8
	15,16,18	9			2		
JDL26J	GlobalFiler™						
	3sp	16,17.3	20,22	14	15,17	8,12	
		9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
JGLAAU	GlobalFiler™						
	3sp	16,17.3	20,22	14	15,17	8,12	
		9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
JH2R9T	GlobalFiler™						
	3sp	16,17.3	20,22	14,14	15,17	8,12	
		9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
JHJHHD	GlobalFiler™ (STRmix)						
	3sp	[12],16,17.3,[19.3]	[17],20,22,[24]	[11],14	15,17	8,[11],12	
		[8],9,10	[10],[13],15,16	12,[13],14	17,20,[26]	8,11,[12]	[9],10,11
		[15],16,17	13,[14],15	28,29,[30,32.2]	[15],16,17	X,Y	9,11,[12]
		[20],22,[23],26			17,[18,23.2],28.2	7,[8],9,[9.3]	6,8,[11]
	[15],16,18	9			2		
JPJ3HN	GlobalFiler™						
	3sp	[12],16,17.3	20,22	[11],14	15,17	8,12	
		9,10	[13],15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

JY8XJP	GlobalFiler™ (STRmix)					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	10,15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
JZWAC3	Identifiler® Plus					
		20,22		15,17	8,12	
3sp	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					
K6BCNQ	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8,[11]
	16,18	9			2	
KFR59D	GlobalFiler™ (TrueAllele)					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
KRLFMT	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
KV6EX3	PowerPlex® ESI-17					
	16,17.3	20,22	14,14	15,17		
3sp		15,16	12,14	17,20		10,11
	16,17	13,15	28,29	16,17	X,Y	
	22,26			17,28.2	7,9	
	16,18					
KZQE73	Identifiler® Plus					
		20,22		15,17	8,12	
3sp	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

KZWEG4	PowerPlex® Fusion 6C						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15			
L6KL9B	GlobalFiler™						
		16,17.3	20,22	[11],14	15,17	8,12	n/a
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		[20],22,26	n/a	n/a	17,28.2	7,9	6,8
	16,18	9	n/a	n/a	2		
L987FZ	Identifiler® Plus						
			20,22		15,17	8,12	
	3sp	9,10	15,16			8,11	10,11
		16,17	13,15	28,29		X,Y	9,11
		22,26				7,9	6,8
	16,18						
LBCTT6	GlobalFiler™ (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
LECZFM	PowerPlex® Fusion						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	{13},15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15		7,9	6,8
	16,18	9					
LKJK4K	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
LLTF37	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

LTUUPR PowerPlex® Fusion

3sp

LYFPNB GlobalFiler™

	16,17.3	20,22	11,14	15,17	8,12	
3sp	9,10	13,15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	20,22,26			17,28.2	7,9,9.3	6,8
	16,18	9			2	

M89GAA GlobalFiler™

	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

M9L8GT GlobalFiler™

	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

MLQAZ2 GlobalFiler™

	16,17.3,19.3	20,22,24	11,14	15,17	8,11,12	
3sp	9,10	13,15,16	12,14	17,20	8,11,12	9,10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	20,22,26			17,18,28.2	7,9,9.3	6,8,11
	15,16,18	9			2	

MREWTL GlobalFiler™

	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

MVGQVX Identifiler® Plus

		20,22		15,17	8,12	
3sp	9,10	15,16			8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26				7,9	6,8
	16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

N39PG4	PowerPlex® Fusion						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2,2	13,15		7,9	6,8
	16,18	9					
N7PVDD	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
N8NZU8	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
NJDZJN	GlobalFiler™						
		[12],16,17.3	20,22	[11],14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		[20],22,26			17,28.2	7,9	6,8
	16,18	9			2		
NP684H	GlobalFiler™ (GeneMapper ID-X)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,23,26			17,28.2	7,9	6,8
	16,18	9			2		
NP7VQN	GlobalFiler™						
		16,17.3 [--]	20,22 [--]	[11],14	15,17	8,12 [--]	
	3sp	9,10 [--]	[10],15,16 [--]	12,14 [--]	17,20 [--]	8,11,[12]	10,11 [--]
		16,17 [--]	13,[14],15	28,29 [--]	16,17 [--]	X,Y	9,11 [--]
		22,26 [--]			17,28.2 [--]	7,9 [--]	6,8 [--]
	16,18 [--]	9			2		
NRCFEN	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	[10],15,16	12,14	17,20	8,11	10,11
		16,17	13,[14],15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

NW6K9R	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
NWP388	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
PR36U2	GlobalFiler™						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	3sp	9,10	10,13,15,16	12,13,14	17,20	8,11,12	9,10,11
		16,17	13,14,15	28,29,32.2	15,16,17	X,Y	9,11,12
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2		
PXV69W	ESI 17						
		16,17.3	20,22	14,14	15,17		
	3sp		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26			17,28.2	7,9	
	16,18						
QA2MEQ	GlobalFiler™ (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
QHXHEA	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		
QRLBNK	GlobalFiler™ (STRMIX)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
	16,18	9			2		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

RHDXA3	PowerPlex® Fusion 6C (STRmix)						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
		16,18	9	17	15		
RKGR7L	Identifiler® Plus (in house software)						
			20,22		15,17	8,12	
	3sp	9,10	15,16			8,11	10,11
		16,17	13,15	28,29		X,Y	9,11
		22,26				7,9	6,8
		16,18					
T7RE3B	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
TCJXZ	PowerPlex® Fusion6C (STRmix)						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
		16,18	9	17	15		
TRWULM	GlobalFiler™						
		12,16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20,26	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,18,28.2	7,9	6,8
		16,18	9			2	
U2YMEE	PowerPlex® Fusion						
		16,17.3	[17],20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15		7,9	6,8
		16,18	9				
UD7KE9	NMGSelect						
		16,17.3	20,22	14,14	15,17		
	3sp		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26			17,28.2	7,9	
		16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

UD8EXE	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
VJX42N	PowerPlex® 21 (STRmix)					
	16,17.3	20,22		15,17	8,12	10,12
3sp	9,10	15,16		17,20	8,11	10,11
	16,17	13,15	28,29		X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	16,18					
VPHZ6D	PowerPlex® Fusion					
	16,17.3	20,22,[24]	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	[12],13,15		7,9	6,8
	16,18	9				
VZF8HP	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
W2WGCB	PowerPlex® Fusion					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	[13],15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2.2,2.2	13,15		7,9	6,8
	[15],16,18	9				
WA3LZL	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	NA
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	NA	NA	17,28.2	7,9	6,8
	16,18	9	NA	NA	2	
WJBXDH	Identifiler® Plus					
	-	20,22	-	15,17	8,12	-
3sp	9,10	15,16	-	-	8,11	10,11
	16,17	13,15	28,29	-	X,Y	9,11
	22,26	-	-	-	7,9	6,8
	16,18	-	-	-	-	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

WKJAQD	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
WWZUJM	Identifiler® Plus						
			20,22		15,17	8,12	
	3sp	9,10	15,16			8,11	10,11
		16,17	13,15	28,29		X,Y	9,11
		22,26				7,9	6,8
		16,18					
X6M8VR	PowerPlex® Fusion 6C						
		16,17.3	20,22	14,14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2,2.2	13,15	17,28.2	7,9	6,8
		16,18	9	17	15		
XECWTF	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
XLP2EK	PowerPlex® ESI 17 (STR mix)						
		16,17.3	20,22	14,14	15,17		
	3sp		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26			17,28.2	7,9	
		16,18					
XM4CHJ	GlobalFiler™						
		[12],16,17.3	20,22,[24]	[11],14,14	15,17	8,12	
	3sp	9,10	[13],15,16	12,14	17,20,[26]	8,11,[12]	10,11
		16,17	13,15	28,29,[32.2]	16,17	X,Y	9,11
		[20],22,26			17,[23.2],28.2	7,9	6,8
		16,18	9			2	
XNX69W	GlobalFiler™ (STRmix)						
		15,16,16.3,17.3	19,20,21,22	13,14	14,15,16,17	7,8,11,12	
	3sp	8,9,10	14,15,16	11,12,13,14	16,17,19,20	7,8,10,11	9,10,11
		15,16,17	12,13,14,15	27,28,29	15,16,17	X,Y	8,9,10,11
		21,22,25,26			16,17,27.2,28.2	7,9	6,8
		15,16,17,18	8,9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

XPBW7J	GlobalFiler™						
		16,17.3	20,22	14,14	15,17	8,12	NA
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	NA	NA	17,28.2	7,9	6,8
		16,18	9	NA	NA	2	
XPRVEB	GlobalFiler™ (STRmix)						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
XRG78P	Identifiler® Plus						
		-	20,22	-	15,17	8,12	-
	3sp	9,10	15,16	-	-	8,11	10,11
		16,17	13,15	28,29	-	X,Y	9,11
		22,26	-	-	-	7,9	6,8
		16,18	-	-	-	-	
XU2BQK	GlobalFiler™						
		16,17.3	20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26			17,28.2	7,9	6,8
		16,18	9			2	
Y2ZVQU	PowerPlex® ESX17 and ESIPro17 (LRmixStudio)						
		16,17.3	20,22	14	15,17		
	3sp		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26			17,28.2	7,9	
		16,18					
Y7WGJH	PowerPlex® Fusion						
		16,17.3	[17],20,22	14	15,17	8,12	
	3sp	9,10	15,16	12,14	17,20	8,11	10,11
		16,17	13,15	28,29	16,17	X,Y	9,11
		22,26	2.2	13,15		7,9	6,8
		16,18	9				
YC3BHK	PowerPlex® ESX16 Fast						
		16,17.3	20,22	14	15,17		
	3sp		15,16	12,14	17,20		10,11
		16,17	13,15	28,29	16,17	X,Y	
		22,26				7,9	
		16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

YF3L8T	PowerPlex® Fusion					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2	13,15		7,9	6,8
	16,18	9				
YJMG9Z	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
YLPCR3	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
YNCQKJ	GlobalFiler™, Fusion					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2	13,15	17,28.2	7,9	6,8
	16,18	9			2	
YRET7E	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
YWKPPE	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	
ZG97VT	GlobalFiler™					
	16,17.3	20,22	14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3sp - STR Results

ZL7KMP	PowerPlex® Fusion 6C					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26	2,2,2.2	13,15	17,28.2	7,9	6,8
	16,18	9	17	15		
ZP49YP	GlobalFiler™					
	12,16,17.3	20,22,24	11,14	15,17	8,12	
3sp	9,10	13,15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8,11
	16,18	9			2	
ZXWNFG	GlobalFiler™					
	16,17.3	20,22	14,14	15,17	8,12	
3sp	9,10	15,16	12,14	17,20	8,11	10,11
	16,17	13,15	28,29	16,17	X,Y	9,11
	22,26			17,28.2	7,9	6,8
	16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

26E8NM	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
27LR4A	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
2E4ZVD	PowerPlex® Fusion 5C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
2EHPUJ	Identifiler® Plus (DNA VIEW ver37.33)					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.33	6,8,11
	15,16,18					
2JUDVF	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
2PKRFG	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
369HUA	PowerPlex® ESI-17 Fast					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,(24),26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

3AZNBX	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
3GYER2	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
3NМУKE	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
3TFZ23	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
3X4MPF	NGM SElect (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
3XBR9Y	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
427TUE	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,15,17	8,8,11,12	
4	8,9,10,10	10,13,15,16	12,13,13,14	17,17,20,26	8,11,11,12	9,10,11,11
	15,16,16,17	13,13,14,15	28,29,30,32.2	15,16,16,17	X,X,X,Y	9,11,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,8,11
	15,15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

4ERBJC	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
4	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	-
4GXXWF	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	N/A
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	N/A	N/A	N/A	-
4MALWC	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
4PBR8C	(STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
4YXQZ3	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
63UU39	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
68QFYH	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

6DCFCA	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6E9RCJ	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6RWWHU	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6T64KM	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6X2R2U	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
6XHT2B	Identifiler®					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
6XVMHC	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,[17]	8,[11],[12]	
4	[8],[9],10	10,13,15,16	[12],[13],[14]	17,[20],[26]	[8],[11],[12]	[9],[10],11
	[15],[16],[17]	13,[14],[15]	28,29,30,32.2	[15],[16],[17]	X,[Y]	[9],[11],[12]
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],[8],[11]
	15,[16],[18]	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

7CZYVP	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,[17]	8,11,[12]	
4	8,9,10	10,13,15,16	12,13,[14]	17,20,26	[8],11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],8,[11]
	15,[16],18	9			2	
7GR4QF	GlobalFiler™					
	[12],16,17.3,[19.3]	[17],20,22,[24]	[11],14	15,17	8,[11],12	
4	[8],9,10	[10],[13],15,16	12,13,14	17,20,[26]	8,11,[12]	[9],10,11
	[15],16,17	13,[14],15	28,29,[30],[32.2]	[15],16,17	X,[Y]	9,11,[12]
	[20],22,[23],26			17,[18],[23.2],28.2	7,[8],9,[9.3]	6,8,[11]
	15,16,18	9			2	
88H9Q8	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
8EEZ99	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
8HJJDW	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
8PFDDF	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
8PVQMK	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,[10],11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,[16],[18]	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

8R6KXC	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	N/A
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	N/A	N/A	N/A	
8T3VTF	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
96AFCY	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
9ECHUB	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	n/a
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	n/a	n/a	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	n/a	n/a	n/a	
9JP9AD						
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
9KK4FM	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,[20],26	8,11,12	9,10,11
	15,16,[17]	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],8,11
	15,16,18	9			2	
9XLMAB	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	
4	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	[9],10,11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

A6KL4T	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
A6MARY	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,[17]	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
A8BQ28	PowerPlex® Fusion 5C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
AE9MDC	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
AJK747	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ALWY3E	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
AMMBE6	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

B3CQ22	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.3,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
B8QAJJ	PowerPlex® Fusion 6C (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
BL7MHW	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
BWKNUV	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
BXDM23	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
CVA796	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
CW6K4B	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

CY9H46	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
D6BPME	PowerPlex® ESX 17 fast					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
	4		10,13,15,16	12,13,14	17,20,26	9,10,11
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18					
D7MNF3	GlobalFiler™ (STRMIX)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
DBK3B6	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
DEWW2A	PowerPlex® Fusion 5C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3
	15,16,18	9			6,8,11	
DG9MDY	GlobalFiler™ (STRMIX)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18	9			2	
E3HC2D	PowerPlex® ESI 17 (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,[17]		
	4		10,13,15,16	12,13,14	17,[20],[26]	9,10,11
		[15],16,[17]	13,[14],[15]	28,29,30,32.2	15,16,17	X,[Y]
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3
	15,16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

EG23ZF	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,[17]	8,11,[12]	
4	8,9,10	10,13,15,16	[12],13,[14]	17,[20],26	8,11,12	9,[10],11
	15,16,17	13,14,[15]	28,29,30,32.2	15,16,[17]	X,X,[Y]	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],8,11
	15,[16],18	9			2	
EK343Y	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
EK39FL	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
EWCNLR	PowerPlex® Fusion					
	12,16,17.3,[19.3]	[17],[20],22	11,14	15,[17]	8,[11],[12]	
4	8,9,10	10,13,15,16	12,13,14	17,[20],[26]	[11]	[9],[10],11
	15,16,17	13,[14],[15]	28,29,30,32.2	15,16,17	X,[Y]	11,[12]
	20,22,23,26	2.2,[8],14	13,[15]		7,8,9,9.3	6,8,[11]
	15,16,[18]	9				
F4V8JY	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
4	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	
F63NFA	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
FEUX68	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,[15]	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

FF7UCW	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
FHTEG2	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
FTCQVY	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
FTCU4F	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,[17]	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,[25],26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	9,11,[12]
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
FZWTWA	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
G8KC7Z	GlobalFiler™ (TrueAllele)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
GJJ29V	ESI-17					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,(19),20,25,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

GVXYBD	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,(17)	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,(17)	13,14,(15)	28,29,30,32.2	15,16,17	X,X,(Y)	(9),11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	(6),8,11
	15,16,18	9			2	
GXW7NB	GlobalFiler™ PCR Amplification Kit					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
H3DY93	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	N/A
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	N/A	N/A	N/A	
HDUJTY	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
HE6N2G	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
HEXHHX	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
HK9RUZ	Identifiler®, Investigator® 24plex QS					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	N/A
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	N/A	N/A	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	N/A	N/A	N/A	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

HQWAAW	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
4	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	-
HXTNZJ	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
J6TN86	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JDL26J	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JGLAAU	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JH2R9T	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,[14]	15,[17]	8,11,[12]	
4	8,[9],10	10,13,[15],[16]	[12],13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,[15]	[28],[29],30,32.2	15,16,[17]	X,[Y]	[9],11,12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,[16],[18]	[9]			[2]	
JHJHHD	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

JPFM33	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JPJ3HN	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JQCZPU	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JY8XJP	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
JZWAC3	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
K6BCNQ	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
KFR59D	GlobalFiler™ (TrueAllele)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

KRLFMT	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
KV6EX3	PowerPlex® ESI-17 Fast					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
KZQE73	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
KZWEG4	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
L6KL9B	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	n/a
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	n/a	n/a	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	n/a	n/a	2	
L987FZ	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
LBCTT6	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

LECZFM	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
LKJK4K	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
LLTF37	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
LTUUPR	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
LYFPNB	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
M83CQQ	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
M89GAA	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

M9L8GT	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
MLQAZ2	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
MREWTL	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
MVGQVX	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
N39PG4	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
N7PVDD	GlobalFiler™					
	16,17.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
N8NZU8	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,[17]	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,X,[Y]	[9],11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

NJDZJN	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,10,11
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NP684H	GlobalFiler™ (GeneMapper ID-X)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NP7VQN	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NRCFEN	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NW6K9R	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
NWP388	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,15,[17]	8,11,[12]	
	4	8,9,10	10,13,15,16	12,13,14	17,[20],26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,[17]	X,X,[Y]	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
PR36U2	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

PXV69W	ESI 17					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,20,[25],26		9,10,11
	15,16,17,[18]	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,[24],26,[27]			17,18,23.2,28.2	7,8,9,9.3	
	15,16,[17],18					
QA2MEQ	GlobalFiler™ (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
QHXHEA	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
QRLBNK	GlobalFiler™ (STRMIX)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
RAXB7Z	Identifiler® Plus (LR mixStudio-2.1.3)					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
RHDXA3	PowerPlex® Fusion 6C (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

RKGR7L	Identifiler® Plus (in house software)					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
T7RE3B	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
TCJXZ	PowerPlex® Fusion6C (STRmix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
TRWULM	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
U2YMEE	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
UD7KE9	NMGSelect					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,20,[25],26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
UD8EXE	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

VJX42N	PowerPlex® 21 (STRmix)					
	12,16,17.3,19.3	17,20,22,24		15,17	8,11,12	10,12,18
4	8,9,10	10,13,15,16		17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18					
VPHZ6D	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
VZF8HP	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,[17]	8,[11],[12]	
4	8,9,10	10,13,15,16	12,13,[14]	17,[20],[26]	8,11,12	9,[10],11
	15,16,[17]	13,[14],[15]	28,29,30,32.2	[15],16,[17]	X,[Y]	[9],11,[12]
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],8,[11]
	15,16,[18]	9			2	
W2WGCB	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
WA3LZL	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,14	15,15,[17]	8,11,[12]	NA
4	8,[9],10	10,13,[15],[16]	[12],13,13,[14]	17,[20],26	[8],11,12	9,[10],11
	15,16,[17]	13,14,15	[28],[29],30,32.2	15,16,[17]	X,X,[Y]	[9],11,12
	20,[22],23,[26]	NA	NA	[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,11
	15,15,[16],[18]	[9]	NA	NA	[2]	
WJBXDH	Identifiler® Plus					
	-	17,20,22,24	-	15,17	8,11,12	-
4	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
	20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-	
WKJAQD	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

WWZUJM	Identifiler® Plus					
		17,20,22,24		15,17	8,11,12	
4	8,9,10	10,13,15,16			8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2		X,Y	9,11,12
	20,22,23,26				7,8,9,9.3	6,8,11
	15,16,18					
X6M8VR	PowerPlex® Fusion 6C					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9	17	15		
XECWTF	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
XLP2EK	PowerPlex® ESI 17 (STR Mix)					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17		
4		10,13,15,16	12,13,14	17,20,26		9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18					
XM4CHJ	GlobalFiler™					
	12,[16],[17.3],19.3	17,[20],[22],24	11,11,[14],[14]	15,15,[15],[17]	8,[8],11,[12]	
4	8,[9],10,[10]	10,13,[15],[16]	[12],13,13,[14]	17,[17],[20],26	[8],11,[11],12	9,[10],11,[11]
	15,16,[16],[17]	13,[13],14,[15]	[28],[29],30,32.2	15,16,[16],[17]	X,X,[X],[Y]	[9],11,[11],12
	20,[22],23,[26]			[17],18,23.2,[28.2]	[7],8,[9],9.3	[6],8,[8],11
	15,15,[16],[18]	[9]			[2]	
XNX69W	GlobalFiler™ (STRmix)					
	11,12,15,16,16.3,17 .3,18.3,19.3	17,20,21,22,23,24	10,11,13,14	14,15,16,17	7,8,10,11,12	
4	8,9,10	9,10,12,13,14,15,1 6	11,12,13,14	16,17,19,20,25,26	8,10,11,12	8,9,10,11
	14,15,16,17	12,13,14,15	27,28,29,30,31.2,3 2.2	14,15,16,17	X,Y	9,10,11,12
	19,20,21,22,23,25, 26			16,17,18,22.2,23.2,2 7.2,28.2	7,8,9,9.3	6,8,11
	14,15,16,17,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

XPBW7J	GlobalFiler™						
		[12],[16],[17.3],19.3	17,[20],[22],24	11,14	15,[17]	8,11,[12]	NA
	4	8,9,10	10,13,15,16	[12],13,[14]	17,[20],26	8,11,12	[9],[10],11
		15,16,[17]	13,14,[15]	[28],[29],30,32.2	[15],16,[17]	X,Y	[9],11,12
		20,22,23,26	NA	NA	17,18,23.2,28.2	7,8,9,9.3	[6],8,11
	15,[16],[18]	9	NA	NA	[2]		
XPRVEB	GlobalFiler™ (STRmix)						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2		
XRG78P	Identifiler® Plus						
		-	17,20,22,24	-	15,17	8,11,12	-
	4	8,9,10	10,13,15,16	-	-	8,11,12	9,10,11
		15,16,17	13,14,15	28,29,30,32.2	-	X,Y	9,11,12
		20,22,23,26	-	-	-	7,8,9,9.3	6,8,11
	15,16,18	-	-	-	-		
XU2BQK	GlobalFiler™						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2		
Y2ZVQU	PowerPlex® ESX17 and ES17Pro (LRmixStudio)						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17		
	4		10,13,15,16	12,13,14	17,20,26		9,10,11
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
		20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	
	15,16,18						
Y7WGJH	PowerPlex® Fusion						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
	4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
		20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9					
YC3BHK	PowerPlex® ESX16 Fast						
		12,16,17.3,19.3	17,20,22,24	11,14	15,17		
	4		10,13,15,16	12,13,14	17,20,26		9,10,11
		15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	
		20,22,23,26				7,8,9,9.3	
	15,16,18						

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

YF3L8T	PowerPlex® Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15		7,8,9,9.3	6,8,11
	15,16,18	9				
YJMG9Z	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YLPCR3	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	16,17	X,Y	11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YNCQKJ	GlobalFiler™, Fusion					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26	2.2,8,14	12,13,15	17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YRET7E	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13	17,20	8,11	10,11
	16,17	13,14,15	28,29,30	15,16	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
YWKPPE	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ZG97VT	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

ZL7KMP	PowerPlex® Fusion 6C					
	[12],[16],[17.3],[19.3]	[17],[20],22,[24]	11,14	15,17	8,[11],12	
4	8,9,10	[10],[13],15,16	12,13,14	17,[20],[26]	8,11,12	[9],[10],11
	[15],16,[17]	13,[14],[15]	[28],29,[30],32.2	[15],16,17	X,[Y]	9,11,[12]
	[20],[22],[23],26	2.2,8,[14]	12,13,15	17,18,23.2,28.2	[7],[8],[9],[9.3]	6,8,11
	15,16,18	[9]	17	15		
ZP49YP	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	
ZXWNFG	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,[17]	8,[11],[12]	
4	[8],[9],10	10,13,15,16	[12],13,[14]	17,[20],[26]	[8],11,[12]	[9],[10],11
	[15],16,[17]	13,[14],[15]	28,29,30,32.2	[15],16,[17]	X,[Y]	[9],11,[12]
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	[6],8,[11]
	15,[16],[18]	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4e - STR Results

GDBH8G	GlobalFiler™					
	12,16,17.3,19.3	17,20,22,24	11,14	15,17	8,11,12	
4e	8,9,10	10,13,15,16	12,13,14	17,20,26	8,11,12	9,10,11
	15,16,17	13,14,15	28,29,30,32.2	15,16,17	X,Y	9,11,12
	20,22,23,26			17,18,23.2,28.2	7,8,9,9.3	6,8,11
	15,16,18	9			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4sp - STR Results

GDBH8G GlobalFiler™

4sp



YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 1 - YSTR Results

2E4ZVD	PowerPlex® Y 23								
		ND	ND	ND	ND	ND	ND	ND	ND
1	ND	ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND		ND	ND	ND
2JUDVF	Yfiler™ Plus								
1									
9XLMA8	Yfiler™ Plus								
1									
DEWW2A	PowerPlex® Y								
		--	--	--	--	--	--	--	--
1	--	--	--						
F4V8JY	Yfiler™								
	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
26E8NM	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
2CVZED	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
2E4ZVD	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
2EHPUJ	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
2JUDVF	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
3AZNBX	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
3GYER2	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
3NМУKE	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
3TFZ23	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
3XBR9Y	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
427TUE	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
4ERBJC	Yfiler™									
	-	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	-	15	16	-	-	
	-	-	-	-	-	-	20	-	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
68QFYH	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
6E9RCJ	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
6RWVHU	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
6T64KM	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
6X2R2U	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
88H9Q8	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
8HJJDW	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
8PFDDF	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
8PVQMK	Yfiler™									
	36,36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
8T3VTF	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16			
							20		12	
96AFCY	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
9KK4FM	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

9XLMA8	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	25
	40	11		17	15	23	20		12
A6KL4T	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
A6MARY	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
A8BQ28	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	25
	40	11		17	15	23	20		12
ALWY3E	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		
							20		12
B8QAJJ	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
BL7MHW	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
CW6K4B	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		
							20		12
CY9H46	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
D6BPME	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
D7MNF3	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
DBK3B6	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		
							20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

DEWW2A	PowerPlex® Y	14	11,13	13	31	22	9	11	13	
2		15	10	12						
DG9MDY		14	11,13	13	31	22	9	11	13	
2		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
EK39FL	Yfiler™	14	11,13	13	31	22	9	11	13	
2		15	10	12	21	15	16			
							20		12	
F4V8JY	Yfiler™	-	14	11,13	13	31	22	9	11	13
2		15	10	12	21	-	15	16	-	-
		-	-	-	-	-	20	-	12	
F63NFA	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
FEUX68	Yfiler™	14	11,13	13	31	22	9	11	13	
2		15	10	12	21	15	16			
							20		12	
FHTEG2	Yfiler™	14	11,13	13	31	22	9	11	13	
2		15	10	12	21	15	16			
							20		12	
FTCQVY		14	11,13	13	31	22	9	11	13	
2		15	10	12	21	15	16			
							20		12	
FZWTWA	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
G8KC7Z	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
GVXYBD	PowerPlex® Y 23	14	11,13	13	31	22	9	11	13	
2		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
GXW7NB	Yfiler™ Plus PCR Amplification Kit	36,36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

HE6N2G	Yfiler™								
		14	11,13	13	31	22	9	11	13
2		15	10	12	21	15	16		
							20		12
HQWAAW	Yfiler™								
		14	11,13	13	31	22	9	11	13
2		15	10	12	21	15	16	-	-
		-	-	-	-	-	20	-	12
HXTNZJ	Yfiler™ Plus								
	36,36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
J6TN86	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
JDL26J	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
2		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
JGLAAU	Yfiler™								
		14	11,13	13	31	22	9	11	13
2		15	10	12	21	15	16		
							20		12
JHJHHD	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
JPFM33	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
KFR59D	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
KZWEG4	Yfiler™								
		14	11,13	13	31	22	9	11	13
2		15	10	12	21	15	16		
							20		12
L6KL9B	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
2		15	10	12	21	33	15	16	10
	40	11	n/a	17	15	23	20	n/a	12
L987FZ	Yfiler™								
		14	11,13	13	31	22	9	11	13
2		15	10	12	21	15	16		
							20		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
LBCTT6	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
LECZFM	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
		11	11	17	15		20	9	12	
LLTF37	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
LTUUPR	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
		11	11	17	15		20	9	12	
LYFPNB	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
M9L8GT	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
							20		12	
MLQAZ2	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
MREWTL	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
							20		12	
MVGQVX	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
		11	11	17	15		20	9	12	
N39PG4	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
N7PVDD	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
							20		12	
NW6K9R	Yfiler™									
		14	11,13	13	31	22	9	11	13	
2	15	10	12	21	33	15	16	10	25	
							20		12	

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

PR36U2	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
QHXHEA	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		
						20			12
RAXB7Z	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		
						20			12
RHDXA3	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
RKGR7L	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
T7RE3B	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
TCJJXZ	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
U2YMEE	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
VHL66U	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		
						20			12
VPHZ6D	PowerPlex® Y PowerPlex® 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
W2WGCB	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
WA3LZL	Yfiler™								
	NA	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	NA	16	NA	NA
	NA	NA	NA	NA	NA	NA	20	NA	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

WJBXDH	Yfiler™	-	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	-	15	16	-	-
		-	-	-	-	-	-	20	-	12
X6M8VR	Yfiler™		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		
								20		12
XECWTF	Yfiler™		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		
								20		12
XM4CHJ	Yfiler™		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		
								20		12
XPBW7J	Yfiler™	NA	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	NA	15	16	NA	NA
		NA	NA	NA	NA	NA	NA	20	NA	12
XU2BQK	Yfiler™		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		
								20		12
Y2ZVQU	PowerPlex® Y 23		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		25
			11	11	17	15		20	9	12
Y7WGJH	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
YF3L8T	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
YLPCR3	Yfiler™		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		
								20		12
YNCQKJ	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
YRET7E	Yfiler™		14	11,13	13	31	22	9	11	13
	2	15	10	12	21		15	16		
								20		12

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

YWKPPE	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		12
<hr/>									
ZG97VT	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		12
<hr/>									
ZL7KMP	Yfiler™								
		14	11,13	13	31	22	9	11	13
	2	15	10	12	21	15	16		12
<hr/>									
ZP49YP	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	2	15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3 - YSTR Results

8PVQMK	Yfiler™								
	36,36	14	11,13	13	31	22	9	11	13
3	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
B8QAJJ	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
JPFM33	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
MVGQVX	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
RAXB7Z	Yfiler™								
		14	11,13	13	31	22	9	11	13
3	15	10	12	21		15	16		
							20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

26E8NM	Yfiler™							11		
3e		15	10	12	21					
							20		12	
2E4ZVD	PowerPlex® Y 23									
			14	11,13	13	31	22	9	11	13
3e		15	10	12	21	15	15	16		25
			11	11	17	15		20	9	12
2EHPUJ	Yfiler™									
			14	11,13	13	31	22	9	11	13
3e		15	10	12	21		15	16		
							20			12
2JUDVF	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
3AZNBX	Yfiler™									
3e										
3NMUKE	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
3XBR9Y	Yfiler™									
3e										
427TUE	Yfiler™									
			14	11,13	13	31	22	9	11	13
3e		15	10	12	21		15	16		
							20			12
4ERBJC	Yfiler™									
		-	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	-	15	16	-	-
		-	-	-	-	-	-	20	-	12
4GXXWF	Yfiler™									
		N/A	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	N/A	15	16	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
68QFYH	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
6E9RCJ	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

6RWVHU	Yfiler™								
3e	[REDACTED]								
6T64KM	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
6X2R2U	Yfiler™								
3e	[REDACTED]								
88H9Q8	Yfiler™								
3e	[REDACTED]								
8HJJDW	PowerPlex® Y 23								
3e	[REDACTED]								
8PFDDF	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
8R6KXC	Yfiler™								
	N/A	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	N/A	15	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
8T3VTF	Yfiler™								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		
							20		12
96AFCY	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
9ECHUB	Yfiler™								
	n/a	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	n/a	15	16	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	20	n/a	12
9KK4FM	PowerPlex® Y 23								
3e	[REDACTED]								
9XLMA8	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

A6MARY	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
A8BQ28	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
ALWY3E	Yfiler™								
3e									
BL7MHW	PowerPlex® Y 23								
3e									
CW6K4B	Yfiler™								
3e									
CY9H46	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
D6BPME	PowerPlex® Y 23								
3e									
D7MNF3	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
DBK3B6	Yfiler™								
3e									
DEWW2A	PowerPlex® Y								
		14	11,13	13	31	22	9	11	13
3e	15	10	12						
DG9MDY	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
EK39FL	Yfiler™								
3e									

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

F4V8JY	Yfiler™	-	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	-	15	16	-	-
		-	-	-	-	-	-	20	-	12
F63NFA	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
FEUX68	Yfiler™									
3e										
FHTEG2	Yfiler™		14	11,13	13	31	22	9	11	13
3e		15	10	12	21		15	16		
								20		12
FTCQVY	Yfiler™									
3e										
FZWTWA	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
G8KC7Z	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
GVXYBD	PowerPlex® Y 23		Not tested	Not tested	Not tested	Not tested	Not tested	Not tested	Not tested	Not tested
3e		Not tested	Not tested	Not tested	Not tested		Not tested	Not tested		Not tested
			Not tested	Not tested	Not tested	Not tested		Not tested	Not tested	Not tested
GXW7NB	Yfiler™ Plus PCR Amplification Kit	36,36	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
H3DY93	Yfiler™	N/A	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	N/A	15	16	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
HE6N2G	Yfiler™									
3e										
HK9RUZ	Yfiler™	N/A	14	11,13	13	31	22	9	11	13
3e		15	10	12	21	N/A	15	16	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

HQWAAW	Yfiler™								
	-	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	-	15	16	-	-
	-	-	-	-	-	-	20	-	12
HXTNZJ	Yfiler™ Plus								
	NT	NT	NT	NT	NT	NT	NT	NT	NT
3e	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT		NT	NT	NT	NT		NT
J6TN86	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
JDL26J	PowerPlex® Y 23								
3e									
JGLAAU	Yfiler™								
3e									
JHJHHD	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
KFR59D	Yfiler™ Plus								
3e									
KZWEG4	Yfiler™								
3e									
L6KL9B	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11	n/a	17	15	23	20	n/a	12
L987FZ	Yfiler™								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		
							20		12
LBCTT6	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
LECZFM	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

LLTF37	Yfiler™ Plus								
3e	[REDACTED]								
LTUUUR	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21	15	15	16	25	
		11	11	17	15		20	9	12
LYFPNB	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
M9L8GT	Yfiler™								
3e	[REDACTED]								
MLQAZ2	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
MREWTL	Yfiler™								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		
							20		12
N39PG4	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
N7PVDD	Yfiler™								
3e	[REDACTED]								
NW6K9R	Yfiler™								
3e	[REDACTED]								
PR36U2	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
QHXHEA	Yfiler™								
3e	[REDACTED]								
RHDXA3	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e	15	10	12	21		15	16		25
		11	11	17	15		20	9	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

RKGR7L	PowerPlex® Y 23								
3e	[REDACTED]								
T7RE3B	PowerPlex® Y 23								
	14	11,13	13	31	22	9	11	13	
3e	15	10	12	21	15	16	25		
	11	11	17	15	20	9	12		
TCJJXZ	PowerPlex® Y 23								
	14	11,13	13	31	22	9	11	13	
3e	15	10	12	21	15	16	25		
	11	11	17	15	20	9	12		
U2YMEE	PowerPlex® Y 23								
3e	[REDACTED]								
VPHZ6D	PowerPlex® Y PowerPlex® Y23								
	14	11,13	13	31	22	9	11	13	
3e	15	10	12	21	15	16	25		
	11	11	17	15	20	9	12		
W2WGCB	PowerPlex® Y 23								
	14	11,13	13	31	22	9	11	13	
3e	15	10	12	21	15	16	25		
	11	11	17	15	20	9	12		
WA3LZL	Yfiler™								
	NA	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	NA	15	16	NA	NA
	NA	NA	NA	NA	NA	20	NA	12	
WJBXDH	Yfiler™								
	-	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	-	15	16	-	-
	-	-	-	-	-	20	-	12	
X6M8VR	Yfiler™								
3e	[REDACTED]								
XECWTF	Yfiler™								
	14	11,13	13	31	22	9	11	13	
3e	15	10	12	21	15	16			
						20		12	
XM4CHJ	Yfiler™								
	14	11,13	13	31	22	9	11	13	
3e	15	10	12	21	15	16			
						20		12	
XPBW7J	Yfiler™								
	NA	14	11,13	13	31	22	9	11	13
3e	15	10	12	21	NA	15	16	NA	NA
	NA	NA	NA	NA	NA	20	NA	12	

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3e - YSTR Results

XU2BQK	Yfiler™								
		14	11,13	13	31	22	9	11	13
3e		15	10	12	21	15	16		
							20		12
Y2ZVQU	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3e		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
Y7WGJH	Yfiler™ Plus								
		36	14	11,13	13	31	22	9	11
3e		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
YF3L8T	Yfiler™ Plus								
		36	14	11,13	13	31	22	9	11
3e		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
YLPCR3	Yfiler™								
3e									
YNCQKJ	Yfiler™ Plus								
		36	14	11,13	13	31	22	9	11
3e		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
YRET7E	Yfiler™								
3e									
YWKPPE	Yfiler™								
3e									
ZG97VT	Yfiler™								
3e									
ZL7KMP	Yfiler™								
3e									
ZP49YP	Yfiler™ Plus								
		36	14	11,13	13	31	22	9	11
3e		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3sp - YSTR Results

26E8NM	Yfiler™	14	11,13	13	31	22	9		13
3sp						15	16		
2E4ZVD	PowerPlex® Y 23	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
2EHPUJ	Yfiler™	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
2JUDVF	Yfiler™ Plus	36	14	11,13	13	31	22	9	11
3sp		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
3AZNBX	Yfiler™	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
3NMUKE	Yfiler™ Plus	36	14	11,13	13	31	22	9	11
3sp		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
3XBR9Y	Yfiler™	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
427TUE	Yfiler™	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
4ERBJC	Yfiler™	-	14	11,13	13	31	22	9	11
3sp		15	10	12	21	-	15	16	-
		-	-	-	-	-	20	-	12
4GXXWF	Yfiler™	N/A	14	11,13	13	31	22	9	11
3sp		15	10	12	21	N/A	15	16	N/A
		N/A	N/A	N/A	N/A	N/A	20	N/A	12
68QFYH	Yfiler™ Plus	36	14	11,13	13	31	22	9	11
3sp		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
6E9RCJ	Yfiler™ Plus	36	14	11,13	13	31	22	9	11
3sp		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
6RWVHU	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16			
							20		12	
6T64KM	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
6X2R2U	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16			
							20		12	
88H9Q8	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16			
							20		12	
8HJJDW	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
8PFDDF	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
8R6KXC	Yfiler™									
		N/A	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	N/A	15	16	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
8T3VTF	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16			
							20		12	
96AFCY	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
9ECHUB	Yfiler™									
		n/a	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	n/a	15	16	n/a	n/a
		n/a	n/a	n/a	n/a	n/a	n/a	20	n/a	12
9KK4FM	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
9XLMA8	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3sp - YSTR Results

A6MARY	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
A8BQ28	Yfiler™ Plus								
		36	14	11,13	13	31	22	9	11
3sp		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12
ALWY3E	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
BL7MHW	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
CW6K4B	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
CY9H46	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
D6BPME	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
D7MNF3	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		25
		11	11	17	15		20	9	12
DBK3B6	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12
DEWW2A	PowerPlex® Y								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12					
DG9MDY									
		14	11,13	13	31	22	9	11	13
3sp		10	12	21		15	16		25
		11	11	17	15		20	9	
EK39FL	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp		15	10	12	21	15	16		
							20		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
F4V8JY	Yfiler™									
	-	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	-	15	16	-	-	
	-	-	-	-	-	-	20	-	12	
F63NFA	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
FEUX68	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
FHTEG2	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
FTCQVY	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
FZWTWA	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
G8KC7Z	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
GVXYBD	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
GXW7NB	Yfiler™ Plus PCR Amplification Kit									
	36	14	13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11			15	23	20		12	
H3DY93	Yfiler™									
	N/A	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	N/A	15	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12	
HE6N2G	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
HK9RUZ	Yfiler™									
	N/A	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	N/A	15	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12	

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3sp - YSTR Results									
HQWAAW	Yfiler™								
	-	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	-	15	16	-	-
	-	-	-	-	-	-	20	-	12
HXTNZJ	Yfiler™ Plus								
	36,36	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
J6TN86	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
JDL26J	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp	15	10	12	21		15	16		25
		11	11	17	15		20	9	12
JGLAAU	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp	15	10	12	21		15	16		
							20		12
JHJHHD	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
KFR59D	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
KZWEG4	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp	15	10	12	21		15	16		
							20		12
L6KL9B	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	33	15	16	10	25
	40	11	n/a	17	15	23	20	n/a	12
L987FZ	Yfiler™								
		14	11,13	13	31	22	9	11	13
3sp	15	10	12	21		15	16		
							20		12
LBCTT6	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
3sp	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20		12
LECZFM	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
3sp	15	10	12	21		15	16		25
		11	11	17	15		20	9	12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
LLTF37	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
LTUUPR	PowerPlex® Y 23									
3sp										
LYFPNB	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
M9L8GT	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
MLQAZ2	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
MREWTL	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
N39PG4	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
N7PVDD	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
NW6K9R	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
PR36U2	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
QHXHEA	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
RHDXA3	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
RKGR7L	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
T7RE3B	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
TCJJXZ	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
U2YMEE	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
VPHZ6D	PowerPlex® Y PowerPlex® Y23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
W2WGCB	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
WA3LZL	Yfiler™									
	NA	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	NA	15	16	NA	NA	
	NA	NA	NA	NA	NA	NA	20	NA	12	
WJBXDH	Yfiler™									
	-	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	-	15	16	-	-	
	-	-	-	-	-	-	20	-	12	
X6M8VR	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
XECWTF	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
XM4CHJ	Yfiler™									
		14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21		15	16			
							20		12	
XPBW7J	Yfiler™									
	NA	14	11,13	13	31	22	9	11	13	
3sp	15	10	12	21	NA	15	16	NA	NA	
	NA	NA	NA	NA	NA	NA	20	NA	12	

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3sp - YSTR Results

XU2BQK	Yfiler™	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16			
							20		12	
Y2ZVQU	PowerPlex® Y 23	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
Y7WGJH	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	3sp	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
YF3L8T	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	3sp	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
YLPCR3	Yfiler™	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16			
							20		12	
YNCQKJ	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	3sp	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
YRET7E	Yfiler™	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16			
							20		12	
YWKPPE	Yfiler™	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16			
							20		12	
ZG97VT	Yfiler™	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16			
							20		12	
ZL7KMP	Yfiler™	14	11,13	13	31	22	9	11	13	
	3sp	15	10	12	21	15	16			
							20		12	
ZP49YP	Yfiler™ Plus	36	14	11,13	13	31	22	9	11	13
	3sp	15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
26E8NM	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
2E4ZVD	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
2EHPUJ	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
2JUDVF	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
3AZNBX	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
3GYER2	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
3NМУKE	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
3TFZ23	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
3XBR9Y	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
427TUE	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
4ERBJC	Yfiler™									
	-	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	-	15	16	-	-	
	-	-	-	-	-	-	20	-	12	
4GXXWF	Yfiler™									
	N/A	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	N/A	15	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
68QFYH	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
6E9RCJ	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
6RWVHU	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
6T64KM	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
6X2R2U	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
88H9Q8	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
8PFDDF	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
8PVQMK	Yfiler™									
	36,36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
8R6KXC	Yfiler™									
	N/A	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	N/A	15	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12	
8T3VTF	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
96AFCY	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
9ECHUB	Yfiler™									
	n/a	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	n/a	15	16	n/a	n/a	
	n/a	n/a	n/a	n/a	n/a	n/a	20	n/a	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
9KK4FM	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
9XLMAB	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
A6KL4T	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
A6MARY	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
A8BQ28	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
ALWY3E	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
							20		12	
B8QAJJ	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
BL7MHW	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
CW6K4B	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
							20		12	
CY9H46	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
D6BPME	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
D7MNF3	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
DBK3B6	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
DEWW2A	PowerPlex® Y									
		14	11,13	13	31	22	9	11	13	
4	15	10	12							
DG9MDY		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	
EK39FL	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
F4V8JY	Yfiler™									
	-	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	-	15	16	-	-	
	-	-	-	-	-	-	20	-	12	
F63NFA	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
FEUX68	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
FHTEG2	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
FTCQVY		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16			
							20		12	
FZWTWA	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
G8KC7Z	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20		12	
GVXYBD	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4	15	10	12	21		15	16		25	
		11	11	17	15		20	9	12	

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 4 - YSTR Results

GXW7NB	Yfiler™ Plus PCR Amplification Kit									
		36,36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20			12
H3DY93	Yfiler™									
		N/A	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	N/A	15	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A		12
HE6N2G	Yfiler™									
			14	11,13	13	31	22	9	11	13
	4	15	10	12	21		15	16		
							20			12
HK9RUZ	Yfiler™									
		N/A	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	N/A	15	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A		12
HQWAAW	Yfiler™									
		-	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	-	15	16	-	-
	-	-	-	-	-	-	20	-		12
J6TN86	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20			12
JGLAAU	Yfiler™									
			14	11,13	13	31	22	9	11	13
	4	15	10	12	21		15	16		
							20			12
JHJHHD	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20			12
JPFM33	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20			12
KFR59D	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10	25
	40	11		17	15	23	20			12
KZWEG4	Yfiler™									
			14	11,13	13	31	22	9	11	13
	4	15	10	12	21		15	16		
							20			12
L6KL9B	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10	25
	40	11	n/a	17	15	23	20	n/a		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
L987FZ	Yfiler™									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				
						20				12
LBCCT6	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20			12
LECZFM	PowerPlex® Y 23									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				25
		11	11	17	15	20	9	12		
LLTF37	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20			12
LTUUPR	Yfiler™									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				25
		11	11	17	15	20	9	12		
LYFPNB	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20			12
M9L8GT	Yfiler™									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				
						20				12
MLQAZ2	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20			12
MREWTL	Yfiler™									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				
						20				12
MVGQVX	PowerPlex® Y 23									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				25
		11	11	17	15	20	9	12		
N39PG4	Yfiler™ Plus									
	36	14	11,13	13	31	22	9	11	13	
4	15	10	12	21	33	15	16	10	25	
	40	11		17	15	23	20			12
N7PVDD	Yfiler™									
	14	11,13	13	31	22	9	11	13		
4	15	10	12	21	15	16				
						20				12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
NW6K9R	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16			
							20		12	
PR36U2	Yfiler™ Plus									
		36	14	11,13	13	31	22	9	11	13
4		15	10	12	21	33	15	16	10	25
		40	11		17	15	23	20		12
QHXHEA	Yfiler™									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16			
							20		12	
RAXB7Z	Yfiler™									
		14	11,13	13	31	22	12	12	9	
4		10	21	20		15	16			
							11		15	
RHDXA3	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
RKGR7L	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
TCJJXZ	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
U2YMEE	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
VPHZ6D	PowerPlex® Y PowerPlex® Y23									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
W2WGCB	PowerPlex® Y 23									
		14	11,13	13	31	22	9	11	13	
4		15	10	12	21	15	16		25	
		11	11	17	15		20	9	12	
WA3LZL	Yfiler™									
		NA	14	11,13	13	31	22	9	11	13
4		15	10	12	21	NA	15	16	NA	NA
		NA	NA	NA	NA	NA	NA	20	NA	12
WJBXDH	Yfiler™									
		-	14	11,13	13	31	22	9	11	13
4		15	10	12	21	-	15	16	-	-
		-	-	-	-	-	-	20	-	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 4 - YSTR Results

X6M8VR	Yfiler™								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		12
							20		
XECWTF	Yfiler™								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		12
							20		
XM4CHJ	Yfiler™								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		12
							20		
XPBW7J	Yfiler™								
	NA	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	NA	15	16	NA
	NA	NA	NA	NA	NA	NA	20	NA	12
XU2BQK	Yfiler™								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		12
							20		
Y2ZVQU	PowerPlex® Y 23								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		25
		11	11	17	15		20	9	12
Y7WGJH	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
YF3L8T	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
YLPCR3	Yfiler™								
		14	11,13			22	9	11	13
	4	15	10	12	21	15	16		12
							20		
YNCQKJ	Yfiler™ Plus								
	36	14	11,13	13	31	22	9	11	13
	4	15	10	12	21	33	15	16	10
	40	11		17	15	23	20		12
YRET7E	Yfiler™								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		12
							20		
YWKPPE	Yfiler™								
		14	11,13	13	31	22	9	11	13
	4	15	10	12	21	15	16		12
							20		

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 4 - YSTR Results

ZG97VT	Yfiler™								
		14	11,13	13	31	22	9	11	13
4		15	10	12	21	15	16		
							20		12
ZL7KMP	Yfiler™								
		14	11,13	13	31	22	9	11	13
4		15	10	12	21	15	16		
							20		12
ZP49YP	Yfiler™ Plus								
		36	14	11,13	13	31	22	9	11
4		15	10	12	21	33	15	16	10
		40	11		17	15	23	20	12

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
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No additional DNA results were reported for release.

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	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
26E8NM	Yes	Yes	Yes	Yes	4MALWC	Yes	Yes	Yes	Yes
27LR4A	No Interp	No Interp	No Interp	No Interp	4PBR8C	Yes	Yes	Yes	Yes
2CVZED	No Interpretations Reported, DNA Analyzed for Database purposes only.				4YXQZ3	Yes	Yes	Yes	Yes
2E4ZVD	Yes	Yes	Yes	Yes	63UU39	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2EHPUJ	Yes	Yes	Yes	Yes	68QFYH	Yes	Yes	Yes	Yes
2JUDVF	Yes	Yes	Yes	Yes	6DCFCA	No Interp	No Interp	No Interp	No Interp
2PKRFG	No Interp	No Interp	No Interp	No Interp	6E9RCJ	Yes	Yes	Yes	Yes
369HUA	Yes	Yes	Yes	Yes	6LNMY6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3AZNBX	Yes	Yes	Yes	Yes	6RWWHU	Yes	Yes	Yes	Yes
3GYER2	Yes	Yes	Yes	Yes	6T64KM	Yes	Yes	Yes	Yes
3GZ9B8	No Interpretations Reported, DNA Analyzed for Database purposes only.				6X2R2U	Yes	Yes	Yes	Yes
3NMUKE	Yes	Yes	Yes	Yes	6XHT2B	Yes	Yes	Yes	Yes
3TFZ23	Yes	Yes	Yes	Yes	6XVMHC	Yes	Yes	Yes	Yes
3X4MPF	Yes	Yes	Yes	Yes	76VAY4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3XBR9Y	Yes	Yes	Yes	Yes	7CZYVP	Yes	Yes	Yes	Yes
427TUE	Yes	Yes	Yes	Yes	7GR4QF	Yes	Yes	Yes	Yes
4ERBJC	Yes	Yes	Yes	Yes	88H9Q8	Yes	Yes	Yes	Yes
4GXXWF	Yes	Yes	Yes	Yes	8EEZ99	Yes	Yes	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
8HJJDW	Yes	Yes	Yes	Yes	B8QAJJ	Yes	Yes	Yes	Yes
8PFDDF	Yes	Yes	Yes	Yes	BL7MHW	Yes	Yes	Yes	Yes
8PVQMK	Yes	Yes	Yes	Yes	BWKNUV	Yes	Yes	Yes	Yes
8R6KXC	Yes	Yes	Yes	Yes	BXDM23	Yes	Yes	Yes	Yes
8T3VTF	Yes	Yes	Yes	Yes	CVA796	No Interp	No Interp	No Interp	No Interp
96AFCY	Yes	Yes	Yes	Yes	CW6K4B	Yes	Yes	Yes	Yes
9ECHUB	Yes	Yes	Yes	Yes	CY9H46	Yes	Yes	Yes	Yes
9JP9AD	Yes	Yes	Yes	Yes	D6BPME	Yes	Yes	Yes	Yes
9KK4FM	Yes	Yes	Yes	Yes	D7MNF3	Yes	Yes	Yes	Yes
9XLMA8	Yes	Yes	Yes	Yes	D9G63X	No Interpretations Reported, DNA Analyzed for Database purposes only.			
A6KL4T	Yes	Yes	Yes	Yes	DBK3B6	Yes	Yes	Yes	Yes
A6MARY	Yes	Yes	Yes	Yes	DEWW2A	Yes	Yes	Yes	Yes
A8BQ28	Yes	Yes	Yes	Yes	DG9MDY	Yes	Yes	Yes	Yes
AC96T3	No Interpretations Reported, DNA Analyzed for Database purposes only.				E3HC2D	Yes	Yes	Yes	Yes
AE9MDC	Yes	Yes	Yes	Yes	EG23ZF	Yes	Yes	Yes	Yes
AJK747	No Interp	No Interp	No Interp	No Interp	EK343Y	Yes	Yes	Yes	Yes
ALWY3E	Yes	Yes	Yes	Yes	EK39FL	Yes	Yes	Yes	Yes
AMMBE6	Yes	Yes	Yes	Yes	EWCNLR	Yes	Yes	Yes	Yes
B3CQ22	Yes	Yes	Yes	Yes	F4V8JY	Yes	Yes	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
F63NFA	Yes	Yes	Yes	Yes	J6TN86	Yes	Yes	Yes	Yes
FEUX68	Yes	Yes	Yes	Yes	JDL26J	Yes	Yes	Yes	Yes
FF7UCW	Yes	Yes	Yes	Yes	JGLAAU	Yes	Yes	Yes	Yes
FHTEG2	Yes	Yes	Yes	Yes	JH2R9T	Yes	Yes	Yes	Yes
FTCQVY	Yes	Yes	Yes	Yes	JHJHHD	Yes	Yes	Yes	Yes
FTCU4F	Yes	Yes	Yes	Yes	JPFM33	Yes	Yes	Yes	Yes
FZWTWA	Yes	Yes	Yes	Yes	JPJ3HN	Yes	Yes	Yes	Yes
G8KC7Z	Yes	Yes	Yes	Yes	JQCZPU	Yes	Yes	Yes	Yes
GDBH8G	Yes	Yes	Yes	Yes	JY8XJP	Yes	Yes	Yes	Yes
GJJ29V	Yes	Yes	Yes	Yes	JZWAC3	Yes	Yes	Yes	Yes
GVXYBD	Yes	Yes	Yes	Yes	K6BCNQ	Yes	Yes	Yes	Yes
GXW7NB	Yes	Yes	Yes	Yes	KFR59D	Yes	Yes	Yes	Yes
H3DY93	Yes	Yes	Yes	Yes	KRLFMT	Yes	Yes	Yes	Yes
HDUJTY	Yes	Yes	Yes	Yes	KV6EX3	Yes	Yes	Yes	Yes
HE6N2G	Yes	Yes	Yes	Yes	KZQE73	Yes	Yes	Yes	Yes
HEHHX	Yes	Yes	Yes	Yes	KZWEG4	Yes	Yes	Yes	Yes
HK9RUZ	Yes	Yes	Yes	Yes	L6KL9B	Yes	Yes	Yes	Yes
HQWAAW	Yes	Yes	Yes	Yes	L987FZ	Yes	Yes	Yes	Yes
HXTNZJ	Yes	Yes	Yes	Yes	LBCTT6	Yes	Yes	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LECZFM	Yes	Yes	Yes	Yes	NWP388	Yes	Yes	Yes	Yes
LKJK4K	Yes	Yes	Yes	Yes	PR36U2	Yes	Yes	Yes	Yes
LLTF37	Yes	Yes	Yes	Yes	PXV69W	Yes	Yes	Yes	Yes
LTUUPR	No Interp	Yes	Yes	Yes	QA2MEQ	Yes	Yes	Yes	Yes
LYFPNB	Yes	Yes	Yes	Yes	QHXHEA	Yes	Yes	Yes	Yes
M83CQQ	Yes	Yes	Yes	Yes	QRLBNK	Yes	Yes	Yes	Yes
M89GAA	Yes	Yes	Yes	Yes	RAXB7Z	Yes	Yes	Yes	Yes
M9L8GT	Yes	Yes	Yes	Yes	REUW9N	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MLQAZ2	Yes	Yes	Yes	Yes	RHDXA3	Yes	Yes	Yes	Yes
MREWTL	Yes	Yes	Yes	Yes	RKGR7L	Yes	Yes	Yes	Yes
MVGQVX	Yes	Yes	Yes	Yes	T7RE3B	Yes	Yes	Yes	Yes
N39PG4	Yes	Yes	Yes	Yes	TCJJXZ	Yes	Yes	Yes	Yes
N7PVDD	Yes	Yes	Yes	Yes	TRWULM	Yes	Yes	Yes	Yes
N8NZU8	Yes	Yes	Yes	Yes	U2YMEE	Yes	Yes	Yes	Yes
NJDZJN	No Interp	No Interp	No Interp	No Interp	UD7KE9	Yes	Yes	Yes	Yes
NP684H	Yes	Yes	Yes	Yes	UD8EXE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NP7VQN	Yes	Yes	Yes	Yes	VHL66U	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NRCFEN	Yes	Yes	Yes	Yes	VJX42N	Yes	Yes	Yes	Yes
NW6K9R	Yes	Yes	Yes	Yes	VPHZ6D	Yes	Yes	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
VZF8HP	Yes	Yes	Yes	Yes	YJMG9Z	Yes	Yes	Yes	Yes
W2WGCB	Yes	Yes	Yes	Yes	YLPCR3	Yes	Yes	Yes	Yes
WA3LZL	Yes	Yes	Yes	Yes	YNCQKJ	Yes	Yes	Yes	Yes
WJBXDH	Yes	Yes	Yes	Yes	YRET7E	Yes	Yes	Yes	Yes
WKJAQD	Yes	Yes	Yes	Yes	YWKPPE	Yes	Yes	Yes	Yes
WWZUJM	Yes	Yes	Yes	Yes	ZG97VT	Yes	Yes	Yes	Yes
X6M8VR	Yes	Yes	Yes	Yes	ZL7KMP	Yes	Yes	Yes	Yes
XECWTF	Yes	Yes	Yes	Yes	ZP49YP	Yes	Yes	Yes	Yes
XLP2EK	Yes	Yes	Yes	Yes	ZXWNFG	Yes	Yes	Yes	Yes
XM4CHJ	Yes	Yes	Yes	Yes					
XNX69W	Yes	Yes	Yes	Yes					
XPBW7J	Yes	Yes	Yes	Yes					
XPRVEB	Yes	Yes	Yes	Yes					
XRG78P	Yes	Yes	Yes	Yes					
XU2BQK	Yes	Yes	Yes	Yes					
Y2ZVQU	Yes	Yes	Yes	Yes					
Y7WGJH	Yes	Yes	Yes	Yes					
YC3BHK	Yes	Yes	Yes	Yes					
YF3L8T	Yes	Yes	Yes	Yes					

DNA Interpretation				
Response Summary	Participants reporting DNA results: 178			
<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>
Yes	161	162	162	162
No	0	0	0	0
Inc	0	0	0	0
No Interpretation	7	6	6	6
No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 10

Additional Comments

TABLE 5

WebCode	Additional Comments
26E8NM	NR = No result
27LR4A	Known samples were not profiled and no comparisons were made. Items 3 and 4 were profiled to confirm correct results were obtained for assigned scientist who performed extraction through quantitation.
2EHPUJ	Extraction: Item 3 was extracted using Chelex Differential Extraction while Item 4 was extracted using PrepFiler Express Automated. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. Amplification: Direct amplification of STR on Item 1 and Item 2 was carried out by Thermal Cycler GeneAmp PCR System 9700. Amplification of STR on Item 3 and Item 4 was carried out by Thermal Cycler GeneAmp PCR System 9700. Electrophoresis: Electrophoresis process was carried out by Genetic Analyser 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
2JUDVF	NR = No Results
2PKRFG	Test participant functions as Y-screen technician and does not perform interpretations
369HUA	Item 3 Mixed profile from cellular fraction includes Victim and Suspect as potential contributors. Single source profile from sperm fraction includes Suspect as potential contributor. Given this outcome, would not routinely make a statistical evaluation for the mixed profile. Item 4 Mixed profile includes Victim and Suspect as potential contributors. Deconvolution using Suspect as conditioning would provide a single retained genotype per locus, matching Victim. No software would be required to enable a likelihood ratio of one billion to be quoted for this outcome.
3GZ9B8	Proficient in known standards only.
3NMUKE	NR = no results
3X4MPF	Semen with a DNA profile matching that of the suspect was found on the victims underwear (item 1). A likelihood ratio in the order of one billion was obtained in relation to the victim contributing to the mixture from item 2 rather than she did not (the suspect being an assumed contributor)
427TUE	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
4ERBJC	Extraction: Item 1 and Item 2 were extracted using in-situ method; Differential extraction on Item 3 was carried out using Chelex extraction method; Bloodstains extraction on Item 4 was carried out with Promega DNA IQ purification kit using Tecan Freedom EVO HID Evolution platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on QuantStudio 5 RT-PCR. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus STR Kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmpFISTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct) also Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xL for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive and negative control were carried out through analysis and all gave intended results.
63UU39	Test participant functions as Y-screen technician and does not perform interpretations.
6DCFCA	Test participant functions as Y-screen technician and does not perform interpretations.
8PVQMK	The requested on this part it is explained on the conclusions. [Participant submitted data in a format that could not be reproduced in this report].

TABLE 5

WebCode	Additional Comments
8T3VTF	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3500xl Genetic Analyzers with GeneMapper ID-X Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
A8BQ28	NR = No results
AC96T3	I am only proficient in databasing, therefore my data interpretation is limited to allele calls.
AJK747	Test participant functions as Y-screen technician and does not perform interpretations.
ALWY3E	NR=No Results. [] = Alleles below stochastic threshold.
CVA796	Test participant functions as a Y-screen technician and does not perform interpretations.
CW6K4B	[] = Peak below stochastic threshold
DBK3B6	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
DEWW2A	The Victim's DNA (Item-1) and the Suspect's DNA (Item-2) are the only contributors to Items-3 and -4. The Victim's DNA is the predominant species in Item-3's "e" fraction, while the suspect's DNA is present as a minor component. Our lab's reporting threshold is 150 rfu. This explains why Suspect's Allele-15 at PentaE locus is missing. The Suspect's DNA is the only species detected in Item-3's "sp" fraction. There are no "extra" alleles suggesting that there is a third contributor.
DG9MDY	Please note for Item 3, homozygote peaks have been inputted to differentiate between major/minor types e.g. 15,15,[17] & X,X,[Y] etc. Homozygote peaks have been inputted for all single source profiles (ITEM 1 and 2). This has not been done for Item 4 where an even mixture was obtained.
EWCNLR	Item 4 has possible true alleles below the analytical threshold.
F4V8JY	Extraction: Item 1 and Item 2 were extracted using in-situ extraction method while Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: Item 3 and Item 4 using the Quantifiler Human DNA Quantification kit on Quant Studio 5. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct kit while Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus kit on GeneAmp PCR System 9700. Y-STR amplification was carried out on Item 1, Item 2, Item 3 and Item 4 using AmpFISTR Y-Filer kit on GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct) while Item 3 and Item 4 (Identifiler Plus). Electrophoresis on Y-Filer was carried on Genetic Analyzer 3130xL for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control, Negative Control were carried out through analysis and all gave intended result.
FEUX68	[#] = Allele below threshold. NR = no result.
FHTEG2	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
FTCU4F	For Item 4 at locus D12S391, there is a minor allele 25 which is inconsistent with being a contributor to the overall profile. The peak heights of allele 25 are 14.98% and 14.09% of allele 26 respectively in the duplicate amplifications performed, while the laboratory's stutter threshold for D12S391 is 13.98%. Therefore, the minor allele 25 is likely to be an elevated stutter.
GXW7NB	Item 3 - we perform differential and no differential extraction at the same time, with no differential extraction we also obtain a DNA mixture which were exactly the same as a results for epithelial fraction in Globalfiler and the same full profile in YFiler Plus.
H3DY93	In Item 3, allele 12 for genetic marker D10S1248 was below the validated stutter percent and was therefore not reported as per the Laboratory's SOP's.

TABLE 5

WebCode	Additional Comments
HK9RUZ	ITEM #3 PROFILE FOR MARKER D10S1248, ALLELE 12 WAS FILTERED AS AS STUTTER, AT OUR LABORATORY POLICIES IT WILL NOT BE REPORTED AS AN ALLELE.
HQWAAW	Extraction: 1. Item 1 and 2 were extracted using the in-situ extraction method. 2. Item 3 was extracted using chelex extraction method. 3. Item 4 was extracted using the Promega DNA IQ on Tecan Freedom EVO 150. Quantitation: 1. Item 3 and 4 were quantified using Quantifiler Human DNA Quantitation Kit on QuantStudio 5. Amplification: 1. Item 1 and 2 were amplified using the AmpFISTR Identifiler Direct kit. 2. Item 3 and 4 were amplified using the AmpFISTR Identifiler Plus kit. 3. Y-STR amplification were carried out on Item 2, 3 and 4 using the AmpFISTR YFiler kit. 4. All amplifications was done on 9700 GeneAmp PCR System. Electrophoresis: 1. Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and 2 (Identifiler Direct) and Item 3 and 4 (Identifiler Plus). 2. Electrophoresis for Y-Filer (Item 2,3 and 4) was carried out on Genetic Analyzer 3130xL. Quality Control: Reagent Blank, Positive Control and Negative Control were carried out along with the analysis and all gave the intended results.
HXTNZJ	NT = Not Tested (Item 3e not amplified for YSTRs)
KV6EX3	Item 3: Seminal - matches the suspect, Cellular - major matches victim and suspect could contribute to minors.
KZWEG4	Item 3 non-sperm fraction: mixture of 2 contributors including Victim (Item 1) and Suspect (Item 2). Item 3 sperm fraction: single source profile including Suspect (Item 2). Item 4: mixture of 2 contributors including Victim (Item 1) and Suspect (Item 2). Brackets [] indicate minor alleles, including those below stochastic threshold.
L987FZ	1. In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3. DNA quantification was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4. Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Direct and Plus PCR Amplification Kit. 5. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-filer PCR Amplification Kit. 6. Capillary electrophoresis was carried out using the Applied Biosystems 3500XL Genetic Analyzer with GeneMapper ID-X Software. 7. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results.
LTUUPR	A mixed autosomal DNA profile was obtained from the epithelial fraction for Item 3. This profile contained peak heights below the laboratory's defined stochastic threshold; therefore, no interpretation was attempted. A Y-STR profile was obtained from the epithelial fraction from Item 3 that was used for comparison. No autosomal or Y-STR DNA alleles were detected in the sperm fraction from Item 3.
M9L8GT	Y-indel and DYS391 are concordant between YFiler and Globalfiler results.
MREWTL	Item 1 was not processed with Yfiler bc no male DNA was indicated in the quant. I utilized the upload feature and it kept putting a "12" in D6, my kit doesn't type this location. I manually deleted this.
N39PG4	NR=No Results
NJDZJN	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
NP7VQN	Exhibit 3x2, minor component: No additional peaks were detected; detected data is below stochastic threshold.
PXV69W	all reportable alleles included in results - that for item 4 included alleles at ambiguous positions which do not form part of the mixture that can be accounted for by the presence of DNA from 2 significant contributors.
RAXB7Z	Differential extraction is not used in our laboratory, its materials are not available and the validation is not performed.
UD8EXE	Test participant functions as Y-screen technician and does not perform interpretations.
VHL66U	NR = No Result

TABLE 5

WebCode	Additional Comments
WA3LZL	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. NA = Not Applicable.
WJBXDH	Extraction: 1. Item 1 and Item 2 were extracted using in-situ method. 2. Item 3 and Item 4 were extracted using Chelex method. Quantitation: 1. Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on QuantStudio 5. Amplification: 1. Amplification were done using the AmpFISTR Identifiler Direct kit for Item 1 and 2, AmpFISTR Identifiler Plus kit for Item 3 and 4, and AmpFISTR YFiler kit on Item 2, 3 and 4. Electrophoresis: 1. Electrophoresis for Item 1 and 2 (Identifiler Direct) and Item 3 and 4 (Identifiler Plus) were carried out on Genetic Analyzer 3500xL. 2. Electrophoresis for Item 2, 3 and 4 (YFiler) were carried out on Genetic Analyzer 3130xL. Quality Control: 1. Reagent blank, positive and negative control were carried out along with the analysis and all gave the intended results.
X6M8VR	Brackets used around alleles that are minor alleles and/or alleles below stochastic threshold.
XM4CHJ	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
XNX69W	Q=possible allelic drop-out considered. Probabilistic genotyping (STRmix) was used for data analysis with stutter unfiltered. All alleles deemed possible for any contributor to the mixture has been reported. With probabilistic genotyping, stutter alleles are considered as either allelic or stutter during the deconvolution of samples. Sometimes, this results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the result.
XPBW7J	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
Y7WGJH	NR = no results. [] indicates minor/weaker alleles
YC3BHK	Comment on reported results for Item 3, epithelial fraction: In order with the laboratory's cut-off value (unique for each STR-marker, based on internal validation of the STR-kit and known stutter contribution) to assure that only true alleles are used for statistical calculations, allele 12 and allele 14 in D10S1248 have not been reported as minor/weaker alleles even though they are visible in the electropherogram.
YF3L8T	NR=No Results
ZL7KMP	NR=No Results. []=alleles below stochastic threshold.

-End of Report-
(Appendix may follow)

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 18-5806: DNA-Mixture

DATA MUST BE RECEIVED BY December 17, 2018 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and A2LA. 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, ANAB, and/or A2LA. (Accreditation Release section on the last page must be completed and submitted.)
- This participant's data is **NOT** intended for submission to ASCLD/LAB, ANAB or A2LA.

Scenario:

Police are investigating the sexual assault and murder of a female victim. The victim was discovered in a mall parking lot by a security guard doing his nightly rounds. Police soon arrived and reviewed security footage from the mall and noticed a male suspect walking away from the direction where the victim's body was discovered. The suspect was soon identified and apprehended. Investigators are submitting a stain from the underwear (Item 3) recovered from the victim and a stain from the shirt (Item 4) recovered from the suspect. Screening has been performed on both samples with the following results: Item 3 (victim's underwear) is positive for semen and blood, and Item 4 (suspect's shirt) is positive for blood. The screening lab is submitting these samples (Items 3 and 4) along with known blood samples from the female victim and male suspect.

Items Submitted (Sample Pack S6):

- Item 1: Known blood from the female victim
- Item 2: Known blood from the male suspect
- Item 3: Questioned blood and semen mixture from victim's underwear (brown)
- Item 4: Questioned blood stain from suspect's shirt (off-white)

Please return all pages of this data sheet.

Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

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

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

Example	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043	
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****

Reporting of YSTR alleles generated from primarily autosomal STR multiplex systems.

- 1) The YSTR loci commonly generated using STR multiplex systems are now included in the STR section. (DYS391, DYS570, DYS576, Y Indel)
- 2) There is no longer a need to transcribe YSTR results from STR multiplex systems to the YSTR section.

For probabilistic genotyping software, a text field has been added directly below the amplification kit section for each item to capture which software was used.

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: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, Fusion, etc.).

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____
 PowerPlex® _____ Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	<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"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
1	<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"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
1	<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 2

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

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____
 PowerPlex® _____ Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2	<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"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
2	<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"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	<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 Questioned Item 3

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

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____

PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	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"/>	<input type="text"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
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"/>	<input type="text"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
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"/>	<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: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, Fusion, etc.).

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____

PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
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"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
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"/>

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)?

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

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by December 17, 2018 to be included in the report. Emailed data sheets are not accepted.		ONLINE DATA ENTRY: www.cts-portal.com
QUESTIONS?		FAX: +1-571-434-1937
TEL: +1-571-434-1925 (8 am - 4:30 pm EST)		MAIL: Collaborative Testing Services, Inc.
EMAIL: forensics@cts-interlab.com		P.O. Box 650820
www.ctsforensics.com		Sterling, VA 20165-0820 USA

Please return all pages of this data sheet.

Collaborative Testing Services - Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code: _____ WebCode: _____

for Test No. **18-5806: DNA-Mixture**

This release page must be completed and received by **December 17, 2018** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

Have the laboratory's designated individual complete the following steps only if your laboratory is accredited in this testing/calibration discipline by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory

ANAB Certificate No. _____
(Include ASCLD/LAB Certificate here)

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

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.