



DNA-Mixture Test No. 22-5801

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 211 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 white fabric (Items 1 & 2), and two questioned stains on clean, colored fabric (Item 3 & 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2, and 4 were prepared from human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 3 was a mixture prepared from human whole blood and semen. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Item 1 (50 μ l) was prepared using blood collected from a female donor. Item 2 (50 μ l) was created using blood collected from a male donor. Item 3 (50 μ l) was created using a mixture of blood from the female donor used 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 used 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 January 4, 2022 following completion of verification stage.

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: Laboratories that conducted predistribution analysis of the samples reported consistent allelic results and confirmed the manufacturer's expected associations.

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	17,3,18	17,24	10,10	15,16	12,12	*
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15	NM	NM	NM	NM	
2	12,17	17,20	10,14	16,17	11,11	*
	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	12,22.2	6,9	8,8
	16,18	11	20	18	2	
3-Blood	17,3,18	17,24	10,10	15,16	12,12	*
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15	NM	NM	NM	NM	
3-Semen	12,17	17,20	10,14	16,17	11,11	*
	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	12,22.2	6,9	8,8
	16,18	11	*	*	2	
4	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	*
	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11	20	18	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	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12	12	20	18	16	24	10	13
3-Semen	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12	12	20	18	16	24	10	13
4	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12	12	20	18	16	24	10	13

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

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

Summary Comments

The 22-5801 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 prepared using blood collected from a female donor. Item 2 was created using blood collected from a male donor. Item 3 was created using a mixture of blood from the female donor used in Item 1 and semen from the male donor used in Item 2. Item 4 was created using a mixture of blood from the female donor used in Item 1 and blood from the male donor used in Item 2. (See Manufacturer's Information for preparation details)

Of the 211 participants that returned results, 210 reported DNA interpretations. One participant selected the "No Interpretations" option for each Interpretation question.

For the Item 3 stain, all responding participants included the victim (Item 1) and the suspect (Item 2) as possible contributors.

For the Item 4 stain, all responding participants included the victim (Item 1) and the suspect (Item 2) as possible contributors.

A total of 51 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. Three of these participants reported additional alleles at several loci. Based on the interpretations described above, these inconsistencies did not appear to affect the participant's conclusions.

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

2696H7	GlobalFiler™ Express					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15	NR			NR	
27VVAX	GlobalFiler™					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
28MXWD	GlobalFiler™					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	NR			NR	
2E68KA	GlobalFiler™					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
2ENATA	PowerPlex® Fusion					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
2QZF7X	GlobalFiler™					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7	8
	14,15	NM			NM	

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

2T68VP	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	Not Detected				
2U3CXD	Investigator® 24plex					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15	-				
2UYVEK	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				
2W79X8	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
2Z4UPB	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
34JTKK	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
3EK8HV	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					

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

3NTFNW	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	NA
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	NA	7,7	8,8
	14,15	ND	NA	NA	NA	
3TXH7H	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	NR			NR	
3WVFHD	GlobalFiler™ Express					
	17,3,18	17,24	10	15,16	12	NT
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	NT	NT	17,29.2	7	8
	14,15	NR	NT	NT	NR	
3XTC4K	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
46TRQ7	PowerPlex® Fusion 5c					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
4A6UUU	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
4CBGTR	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				

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

4MCM6E	PowerPlex® Fusion					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
4PH9WL	PowerPlex® Fusion					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
4XHJDC	GlobalFiler™					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
4YMBZX	PowerPlex® Fusion 5C					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
6666AZ	PowerPlex® Fusion 6C (STRmix)					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13	17,29.2	7	8
	14,15					
66PLP3	PowerPlex® Fusion 6C					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13	17,29.2	7	8
	14,15					
67L34K	GlobalFiler™					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15	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

6AJHEU	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7	8
	14,15	NM			NM	
6EF8V2	PowerPlex® Fusion 6C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13	17,29.2	7	8
	14,15					
6GJ649	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7	8
	14,15					
6HCWDT	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
6NKECL	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	NR			NR	
6NNR7A	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
6V7769	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					

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

6ZXE8U	Identifiler® Plus					
		17,24		15,16	12	
1	8,11	11,14			8,11	11,12
	14,21	14,15	29,32.2		X	12,13
	20,22				7	8
	14,15					
7C4UNJ	GlobalFiler™					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7	8
	14,15					
7DEWC4	PowerPlex® Fusion					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
7F46KJ	GlobalFiler™					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
7GE3TU	PowerPlex® Fusion 5C					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
7WQJ3H	PowerPlex® Fusion 6C					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15					
89YLYY	PowerPlex® Fusion, VeriFiler Pus					
	17.3,18	17,24	10	15,16	12	19,21.3
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					

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

8D94V7	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22			17,29.2	7,7 8,8
		14,15				
8ELCJA	PowerPlex® Fusion					
		17,3,18	17,24	10	15,16	12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X 12,13
		20,22	9,14	12,13		7 8
		14,15				
8HE999	GlobalFiler™ Express					
		17,3,18	17,24	10	15,16	12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X 12,13
		20,22			17,29.2	7 8
		14,15	No results			No results
8KZXH9	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22			17,29.2	7,7 8,8
		14,15				
8NQLND	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22			17,29.2	7,7 8,8
		14,15	NR			NR
8P7QC4	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12 N/A
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22	N/A	N/A	17,29.2	7,7 8,8
		14,15	N/A	N/A	N/A	N/A
8ZKYNA	PowerPlex® 5C					
		17,3,18	17,24	10	15,16	12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X 12,13
		20,22	9,14	12,13		7 8
		14,15				

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

97PXWE	PowerPlex®					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22	9,14	12,13		7,7 8,8
		14,15	ND			
99Y3CN	PowerPlex® Fusion					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22	9,14	12,13		7,7 8,8
		14,15	ND			
9CEFDDB	PowerPlex® Fusion 5C					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22	9,14	12,13		7,7 8,8
		14,15	ND			
9KABEF	PowerPlex® Fusion					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22	9,14	12,13		7,7 8,8
		14,15				
9RLRKV	Investigator® 24plex					
		17,3,18	17,14	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22			17,29.2	7,7 8,8
		14,15	-			
9UVG8D	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22			17,29.2	7,7 8,8
		14,15	NR			NR
A2QYZV	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X,X 12,13
		20,22			17,29.2	7,7 8,8
		14,15	neg.			neg.

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

A8H9AT	PowerPlex® 5C					
	17,3,18	17,24	10	15,16	12	--
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13	--	7	8
	14,15	--	--	--	--	--
A9TBT7	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
ABUCVP	Identifiler® Plus					
		17,24		15,16	12	
1	8,11	11,14			8,11	11,12
	14,21	14,15	29,32.2		XX	12,13
	20,22				7	8
	14,15					
ACC8JH	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	-	-	-	-	
AFAMBD	PowerPlex® Fusion 6C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15					
AHJMH7	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
ANJBPC	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				

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

B3GPHE	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7	8
	14,15					
BC7BNC	GlobalFiler™ (STRmix)					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
BN2JBL	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
BXPE9F	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					
C3V93C	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
C47DEE	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					
C49ZXE	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					

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

C7WELN	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
CGV8TU	NGM SElect					
	17,3,18	17,24	10,10	15,16		
1		11,14	12,14	15,23		11,12
	14,21	14,15	29,32.2	11,16	XX	
	20,22			17,29.2	7,7	
	14,15					
CVD376	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
CX7TFQ	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
D4NE6N	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
D8PPRB	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7	8
	14,15					
DD2GK3	GlobalFiler™ Express					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15	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

DHJZ6N	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
DRCD33	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
DVW7D6	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
DVYQAL	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
E2ETPM	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
E2U7CX	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15	0,0			0,0	
E773VE	PowerPlex® Fusion 5C (STRmix™)					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	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

ED9C6R	Identifiler®					
		17,24		15,16	12,12	
1		8,11	11,14		8,11	11,12
		14,21	14,15	29,32.2	X,X	12,13
		20,22			7,7	8,8
		14,15				
EGQAU4	GlobalFiler™					
		17.3,18	17,24	10	15,16	12
1		8,11	11,14	12,14	15,23	8,11
		14,21	14,15	29,32.2	11,16	X,X
		20,22			17,29.2	7
		14,15				8
EJE7YN	Identifiler® Plus					
		17,24		15,16	12,12	
1		8,11	11,14		8,11	11,12
		14,21	14,15	29,32.2	X,X	12,13
		20,22			7,7	8,8
		14,15				
EQA4NB	GlobalFiler™					
		17.3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11
		14,21	14,15	29,32.2	11,16	X,X
		20,22			17,29.2	7,7
		14,15	NR			8,8
						NR
EQZUZK	PowerPlex® Fusion 5C					
		17.3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11
		14,21	14,15	29,32.2	11,16	X,X
		20,22	9,14	12,13		7,7
		14,15	ND			8,8
EZL3F2	PowerPlex® Fusion					
		17.3,18	17,24	10	15,16	12
1		8,11	11,14	12,14	15,23	8,11
		14,21	14,15	29,32.2	11,16	X
		20,22	9,14	12,13		7
		14,15				8
F3NFK	PowerPlex® Fusion 5C					
		17.3,18	17,24	10,10	15,16	12,12
1		8,11	11,14	12,14	15,23	8,11
		14,21	14,15	29,32.2	11,16	X,X
		20,22	9,14	12,13		7,7
		14,15	ND			8,8

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 1 - STR Results

F6VT9Y	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
FK4Q6J	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
F6FF6F	PowerPlex®					
	17,3,16	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
FPYK3K	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
FQQJEX	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7	8
	14,15					
FZEB4B	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	NR			NR	
G9LCXB	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					

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

GHEPWB	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
GLDZTB	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
GU7C8C	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
GVFFGU	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
H2LABP	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
H9KYP9	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				
HAEM94	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	nd				

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

HL7DT9	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	NT
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	NT	7,7	8,8
	14,15	ND	NT	NT	NT	
HNB4X3	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	NR			NR	
HU2E8Z	PowerPlex®					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
J3CX7Q	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
J9GVFU	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	No Results			No Results	
JE7DT7	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7	8
	14,15					
JEMBL7	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					

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

JJUN4	Investigator® 24plex					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
JRE6NR	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
JTM7JX	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
K8M8WY	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	NT
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	NT	7,7	8,8
	14,15	ND	NT	NT	NT	
KKN4VR	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
KRQ9MB	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
KUY7GR	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	--			--	

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

KVT3TT	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
L3KPC	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	-
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	-	-	17,29.2	7	8
	14,15	NM	-	-	NM	
L43Q8R	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
L6B7AQ	GlobalFiler™ (STRmix)					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
L7MPCA	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				
LCCZQD	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
LDHRCZ	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	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

LH2H34	GlobalFiler™ (STRmix)					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
LHX9WP	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
LDECF	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
LKKV4J	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
LLWJRP	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
LYM68T	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7	8
	14,15					
MA2G33	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				

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

MBF2TQ	Identifiler® Plus					
		17,24		15,16	12,12	
1	8,11	11,14			8,11	11,12
	14,21	14,15	29,32.2		X,X	12,13
	20,22				7,7	8,8
	14,15					
MPTGU2	PowerPlex®					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
MUQ4JJ	GlobalFiler™ (GeneMapper ID-X 1.4)					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
N6KUNN	PowerPlex® 21					
	17.3,18	17,24		15,16	12,12	19,21.3
1	8,11	11,14		15,23	8,11	11,12
	14,21	14,15	29,32.2		X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					
NA2YHC	PowerPlex®					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
NBFE7Q	GlobalFiler™ Express					
	17.3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15	No Results			No Results	
ND2BDC	PowerPlex® Fusion 5C					
	17.3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				

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

NMP4P9	GlobalFiler™					
		17,3,18	17,24	10	15,16	12
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X 12,13
		20,22			17,29.2	7 8
	14,15					
NPR9W2	PowerPlex® Fusion 5C					
		17,3,18	17,24	10,10	15,16	12,12
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	XX 12,13
		20,22	9,14	12,13		7,7 8,8
	14,15	ND				
NVZAJQ	GlobalFiler™					
		17,3,18	17,24	10,10	15,16	12,12
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	XX 12,13
		20,22			17,29.2	7,7 8,8
	14,15	no results			no results	
PDCCUJ	PowerPlex® Fusion					
		17,3,18	17,24	10	15,16	12
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	X 12,13
		20,22	9,14	12,13		7 8
	14,15					
PJGB69	GlobalFiler™					
		17,3,18	17,24	10	15,16	12 -
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	XX 12,13
		20,22	-	-	17,29.2	7 8
	14,15	NM	-	-	NM	
PMEYJV	PowerPlex® Fusion					
		17,3,18	17,24	10,10	15,16	12,12
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	XX 12,13
		20,22	9,14	12,13		7,7 8,8
	14,15	ND				
PW4KPT	PowerPlex® Fusion					
		17,3,18	17,24	10,10	15,16	12,12
	1	8,11	11,14	12,14	15,23	8,11 11,12
		14,21	14,15	29,32.2	11,16	XX 12,13
		20,22	9,14	12,13		7,7 8,8
	14,15	ND				

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

Q39RUN	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	NA
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	NA	NA	17,29.2	7,7	8,8
	14,15	NA	NA	NA	NA	
Q3RKP7	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
QCCVXX	PowerPlex® Fusion 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				
QCX8VL	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	--			--	
QDQBK	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
QK8XXN	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
QTHZJP	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					

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

QZK3QB	PowerPlex® Fusion 6C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	17,29.2	7	8
	14,15					
R3LPH6	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
R9R79T	Identifiler® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				
RC72QC	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
RHHM24	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
RLG3CC	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
RNQ9T8	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					

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

RRMYTR	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
T3YLGH	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	--			--	
THCYWV	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
TLC3Q3	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
TM8LT4	PowerPlex® Fusion (STRMIX)					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
TRC2YN	GlobalFiler™ Express					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15	No Results			No Results	
TRG7CV	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					

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

U3UNLD	PowerPlex® 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
U6JRG7	Identifiler® Plus					
		17,24		15,16	12	
1	8,11	11,14			8,11	11,12
	14,21	14,15	29,32.2		XX	12,13
	20,22				7	8
	14,15					
UACW9N	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	0				
UE8Q7P	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
UGZGFB	PowerPlex® Fusion 6C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15	0	0	0		
UKDJZL	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
UP8E2T	PowerPlex® Fusion 6C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15					

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

UTFFKK	GlobalFiler™ Express					
	17,3,18	17,24	10	15,16	12	NA
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	NA	NA	17,29.2	7	8
	14,15	NR	NA	NA	NR	
UU43FE	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
V89LRE	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15	--			--	
WCH2YH	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7	8
	14,15					
WEHA6D	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
WFU7AH	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22			17,29.2	7,7	8,8
	14,15	No Result			No Result	
WJHBB3	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					

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

WNN8V3	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
WNXUPH	GlobalFiler™ Express					
	17,3,18	17,24	10	15,16	12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15	no results			no results	
WUDQUC	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
WXD3QB	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
X3MDKQ	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
X6UNJF	GlobalFiler™					
	17,3,18	17,24	10	15,16	12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					
X8XQZ6	PowerPlex® Fusion 6C (mRMP by Familias3)					
	17,3,18	17,24	10,10	15,16	12,12	
	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15					

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

X9CXLL	PowerPlex® Fusion						
		17,3,18	17,24	10,10	15,16	12,12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X,X	12,13
		20,22	9,14	12,13		7,7	8,8
	14,15	ND					
XD6UDX	PowerPlex® Fusion						
		17,3,18	17,24	10,10	15,16	12,12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X,X	12,13
		20,22	9,14	12,13		7,7	8,8
	14,15						
XEHM8Z	Investigator® 24plex GO!						
		17,3,18	17,24	10	15,16	12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X	12,13
		20,22			17,29.2	7	8
	14,15						
XKQ4MF	GlobalFiler™						
		17,3,18	17,24	10	15,16	12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X	12,13
		20,22			17,29.2	7	8
	14,15						
XNPG4D	GlobalFiler™						
		17,3,18	17,24	10,10	15,16	12,12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X,X	12,13
		20,22			17,29.2	7,7	8,8
	14,15						
XV4ENQ	GlobalFiler™ (STRmix)						
		17,3,18	17,24	10	15,16	12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X	12,13
		20,22			17,29.2	7	8
	14,15						
XXTGVZ	Investigator® 24plex						
		17,3,18	17,24	10,10	15,16	12,12	
	1	8,11	11,14	12,14	15,23	8,11	11,12
		14,21	14,15	29,32.2	11,16	X,X	12,13
		20,22			17,29.2	7,7	8,8
	14,15	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

Y2A6TH	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
Y6ACCU	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
Y6NZBZ	PowerPlex® Fusion					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	NR				
YCAVDP	PowerPlex® Fusion 5C					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
YD4MJ6	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	-
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	-	-	17,29.2	7,7	8,8
	14,15	-	-	-	-	
YJR6Z2	PowerPlex® 5C (BulletProof)					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,[14]	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15					
YM4CYK	PowerPlex® 5C					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				

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

YMRFV2	Investigator® 24plex (STRmix)					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15					
YPW396	PowerPlex® Fusion, NGM Detect					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13	17,29.2	7,7	8,8
	14,15	*	*	*	*	
YW7F9	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	0			0	
Z4AXZL	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				
ZFNTJR	GlobalFiler™					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	NR			NR	
ZLRW6J	PowerPlex® (STRmix)					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15					
ZVXHJQ	GlobalFiler™ (STRmix)					
	17,3,18	17,24	10	15,16	12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22			17,29.2	7	8
	14,15					

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

ZWADXQ	PowerPlex® Fusion					
	17,3,18	17,24	10,10	15,16	12,12	
1	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				

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

2696H7	GlobalFiler™ Express					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
27VWAX	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
28MXWD	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
2E68KA	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
2ENATA	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
2QZF7X	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
2T68VP	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	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 2 - STR Results

2U3CXD	Investigator® 24plex					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11				
2UYVEK	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
2W79X8	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
2Z4UPB	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
34JTK	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
3EK8HV	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
3NTFNW	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	NA
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	NA	6,9	8,8
	16,18	11	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 2 - STR Results

3TXH7H	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
3WVFHD	GlobalFiler™ Express					
	12,17	17,20	10,14	16,17	11	NT
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	NT	NT	12,22.2	6,9	8
	16,18	11	NT	NT	2	
3XTC4K	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
46TRQ7	PowerPlex® Fusion 5c					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
4A6UJU	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
4CBGTR	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
4MCM6E	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 2 - STR Results

4PH9WL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
4XHJDC	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
4YMBZX	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
6666AZ	PowerPlex® Fusion 6C (STRmix)					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
66PLP3	PowerPlex® Fusion 6C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
67L34K	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
6AJHEU	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 2 - STR Results

6EF8V2	PowerPlex® Fusion 6C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
6GJ649	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
6HCWDT	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
6NKECL	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
6NNR7A	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
6V7769	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
6ZX8U	Identifiler® Plus					
		17,20		16,17	11	
2	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10
	24				6,9	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

7C4UNJ	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
7DEWC4	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
7F46KJ	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
7GE3TU	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
7WQJ3H	PowerPlex® Fusion 6C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14	12,22.2	6,9 8,8
		16,18	11	20	18	
89YLYY	PowerPlex® Fusion, VeriFiler Plus					
		12,17	17,20	10,14	16,17	11 12,18
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			2
8D94V7	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	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 2 - STR Results

8ELCJA	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
8HE999	GlobalFiler™ Express					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
8KZXH9	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
8NQLND	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
8P7QC4	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	N/A
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	N/A	N/A	12,22.2	6,9	8,8
	16,18	11	N/A	N/A	2	
8ZKYNA	PowerPlex® 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
97PXWE	PowerPlex®					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 2 - STR Results

99Y3CN	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
9CEFDB	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
9KABEF	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
9RLRKV	Investigator® 24plex					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			
9UVG8D	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
A2QYZV	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
A8H9AT	PowerPlex® 5C					
		12,17	17,20	10,14	16,17	11 --
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14	--	6,9 8
		16,18	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 2 - STR Results

A9TBT7	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
ABUCVP	Identifiler® Plus					
			17,20		16,17	11
2		8,11	10,15			8,12 10,11
		11,13	13,14	31,32.2		X,Y 10
		24				6,9 8
		16,18				
ACC8JH	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11	-	-	-
AFAMBD	PowerPlex® Fusion 6C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14	12,22.2	6,9 8,8
		16,18	11	20	18	
AHJMH7	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
ANJBPC	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
B3GPHE	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	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 2 - STR Results

BC7BNC	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
BN2JBL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
BXPE9F	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
C3V93C	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
C47DEE	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
C49ZXE	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24			12,22.2	6,9	8,8
	16,18	11			2	
C7WELN	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 2 - STR Results

CGV8TU	NGM SElect					
	12,17	17,20	10,14	16,17		
2		10,15	15,15	15,22		10,11
	11,13	13,14	31,32.2	11,15	X,Y	
	24,24			12,22.2	6,9	
	16,18					
CVD376	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
CX7TFQ	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
D4NE6N	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
D8PPRB	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
DD2GK3	GlobalFiler™ Express					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
DHJZ6N	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 2 - STR Results

DRCD33	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
DVW7D6	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
DVYQAL	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
E2ETPM	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
E2U7CX	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11,0			2,0	
E773VE	PowerPlex® Fusion 5C (STRmix™)					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
ED9C6R	Identifiler®					
		17,20		16,17	11,11	
2	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10,10
	24,24				6,9	8,8
	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

EGQAU4	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
EJE7YN	Identifiler® Plus					
			17,20		16,17	11,11
2		8,11	10,15			8,12 10,11
		11,13	13,14	31,32.2		X,Y 10,10
		24,24				6,9 8,8
		16,18				
EQA4NB	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
EQZUZK	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
EZL3F2	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
F3NFK	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
F6VT9Y	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	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 2 - STR Results

FK4Q6J	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
FPFF6F	PowerPlex®					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
FPYK3K	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
FQQJEX	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
FZEB4B	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
G9LCXB	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11	7,14		6,9	8,8
	16,18	11				
GHEPWB	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 2 - STR Results

GLDZTB	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
GU7C8C	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
GVFFGU	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
H2LABP	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
H9KYP9	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
HAEM94	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
HL7DT9	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	NT
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	NT	6,9	8,8
	16,18	11	NT	NT	NT	

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

HNB4X3	GlobalFiler™						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11			2		
HU2E8Z	PowerPlex®						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
J3CX7Q	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11	
	2	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	11					
J9GVFU	GlobalFiler™						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11			2		
JE7DT7	GlobalFiler™						
		12,17	17,20	10,14	16,17	11	
	2	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24			12,22.2	6,9	8
	16,18	11			2		
JEMBL7	PowerPlex® Fusion 5C						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
JJUN4	Investigator® 24plex						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	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 2 - STR Results

JRE6NR	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
JTM7JX	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
K8M8WY	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	NT
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	NT	6,9	8,8
	16,18	11	NT	NT	NT	
KKN4VR	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
KRQ9MB	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
KUY7GR	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
KVT3TT	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	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 2 - STR Results

L3KPCC	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	-
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	-	-	12,22.2	6,9	8
	16,18	11	-	-	2	
L43Q8R	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
L6B7AQ	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
L7MPCA	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
LCCZQD	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
LDHRCZ	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
LH2H34	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 2 - STR Results

LHX9WP	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
LDECF	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
LKKV4J	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
LLWJRP	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
LYM68T	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
MA2G33	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
MBF2TQ	Identifiler® Plus					
		17,20		16,17	11,11	
2	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10,10
	24,24				6,9	8,8
	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

MPTGU2	PowerPlex®					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
MUQ4JJ	GlobalFiler™ (GeneMapper ID-X 1.4)					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
N6KUNN	PowerPlex® 21					
		12,17	17,20		16,17	11,11 12,18
2		8,11	10,15		15,22	8,12 10,11
		11,13	13,14	31,32.2		X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18				
NA2YHC	PowerPlex®					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
NBFE7Q	GlobalFiler™ Express					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
ND2BDC	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
NMP4P9	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	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 2 - STR Results

NPR9W2	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
NVZAJQ	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
PDCCUJ	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
PJGB69	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	-
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	-	-	12,22.2	6,9	8
	16,18	11	-	-	2	
PMEYJV	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
PW4KPT	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
Q39RUN	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	NA
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	NA	NA	12,22.2	6,9	8,8
	16,18	11	NA	NA	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

Q3RKP7	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
QCCVXX	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
QCX8VL	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
QDQBK	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
QK8XXN	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
QTHZJP	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
QZK3QB	PowerPlex® Fusion 6C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	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

R3LPH6	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
R9R79T	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
RC72QC	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
RHHM24						
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
RLG3CC	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
RNQ9T8	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
RRMYTR	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	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 2 - STR Results

T3YLGH	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
THCYWV	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
TLC3Q3	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
TM8LT4	PowerPlex® Fusion (STRMIX)					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
TRC2YN	GlobalFiler™ Express					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
TRG7CV	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
U3UNLD	PowerPlex® 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 2 - STR Results

U6JRG7	Identifiler® Plus					
		17,20		16,17	11	
2		8,11	10,15		8,12	10,11
		11,13	13,14	31,32.2	X,Y	10
		24			6,9	8
		16,18				
UACW9N	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12
		11,13	13,14	31,32.2	11,15	X,Y
		24,24	11,11	7,14	6,9	8,8
		16,18	11			
UE8Q7P	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12
		11,13	13,14	31,32.2	11,15	X,Y
		24,24	11,11	7,14	6,9	8,8
		16,18	11			
UGZGFB	PowerPlex® Fusion 6C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12
		11,13	13,14	31,32.2	11,15	X,Y
		24,24	11,11	7,14	12,22.2	6,9
		16,18	11	20	18	
UKDJZL	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12
		11,13	13,14	31,32.2	11,15	X,Y
		24	11	7,14	6,9	8
		16,18	11			
UP8E2T	PowerPlex® Fusion 6C					
		12,17	17,20	10,14	16,17	11,11
2		8,11	10,15	15,15	15,22	8,12
		11,13	13,14	31,32.2	11,15	X,Y
		24,24	11,11	7,14	12,22.2	6,9
		16,18	11	20	18	
UTFFKK	GlobalFiler™ Express					
		12,17	17,20	10,14	16,17	11
2		8,11	10,15	15	15,22	8,12
		11,13	13,14	31,32.2	11,15	X,Y
		24	NA	NA	12,22.2	6,9
		16,18	11	NA	NA	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

UU43FE	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
V89LRE	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
WCH2YH	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
WEHA6D	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
WFU7AH	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
WJHBB3	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
WNN8V3	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 2 - STR Results

WNXUPH	GlobalFiler™ Express					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
WUDQUC	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
WXD3QB	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
X3MDKQ	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
X6UNJF	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
X8XQZ6	PowerPlex® Fusion 6C (mRMP by Familias3)					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	12,22.2	6,9	8,8
	16,18	11	20	18		
X9CXLL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 2 - STR Results

XD6UDX	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
XEHM8Z	Investigator® 24plex GO!						
		12,17	17,20	10,14	16,17	11	
	2	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24			12,22.2	6,9	8
	16,18	11					
XKQ4MF	GlobalFiler™						
		12,17	17,20	10,14	16,17	11	
	2	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24			12,22.2	6,9	8
	16,18	11			2		
XNPG4D	GlobalFiler™						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11			2		
XV4ENQ	GlobalFiler™ (STRmix)						
		12,17	17,20	10,14	16,17	11	
	2	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24			12,22.2	6,9	8
	16,18	11			2		
XTGVZ	Investigator® 24plex						
		12,17	17,20	10,14	16,17	11,11	
	2	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11					
Y2A6TH	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11	
	2	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	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 2 - STR Results

Y6ACCU	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
Y6NZBZ	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
YCAVDP	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
YD4MJ6	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	-
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	-	-	12,22.2	6,9	8,8
	16,18	11	-	-	2	
YJR6Z2	PowerPlex® 5C (BulletProof)					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
YM4CYK	PowerPlex® 5C					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
YMRFV2	Investigator® 24plex (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	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 2 - STR Results

YPW396	PowerPlex® Fusion, NGM Detect					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	12,22.2	6,9	8,8
	16,18	11	20	18	2	
YWF7F9	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
Z4AXZL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
ZFNTJR	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
ZLRW6J	PowerPlex® (STRmix)					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
ZVXHJQ	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
2	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
ZWADXQ	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
2	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 3 - STR Results

7WQJ3H	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
89YLYY	PowerPlex® Fusion, VeriFiler Plus					
	12,17,17.3,18	17,20,24	10,14	16,17	11,12	12,18,19,21.3
3	8,11	10,11,15	15	15,22	8,12	10,11,12
	11,13,14,21	13,14	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,14		6,7,9	8
	14,16,18	11			2	
AFAMBD	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
UP8E2T	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
X8XQZ6	PowerPlex® Fusion 6C (LRmix Studio, LabRetriever, EFM, DNAView)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11	20	18		
YD4MJ6	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	-
3	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	-	-	12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11	-	-	2	
YPW396	PowerPlex® Fusion, NGM Detect					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18	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

2696H7	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
27VVAX	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
28MXWD	GlobalFiler™					
	[12],[17],17.3,18	17,[20],24	10,10,[14]	15,16,[17]	[11],12,12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,X,[Y]	[10],12,13
	20,22,[24]			[12],17,[22.2],29.2	[6],7,7,[9]	8,8
	14,15,[16],[18]	[11]			[2]	
2E68KA	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
2ENATA	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
2QZF7X	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
2T68VP	PowerPlex® Fusion (STRmix™)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

2U3CXD	Investigator® 24plex					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
2UYVEK	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
2W79X8	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
2Z4UPB	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
34JKTK	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
3EK8HV	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
3NTFNW	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NA
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	NA	6,7,9	8
	14,15,16,18	11	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 3e - STR Results

3TXH7H	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
3WVFHD	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NT
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	NT	NT	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	NT	NT	2	
3XTC4K	PowerPlex® Fusion					
	[12],[17],17.3,18	17,[20],24	10,10,[14]	15,16,[17]	[11],12,12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,X,[Y]	[10],12,13
	20,22,[24]	9,[11],14	[7],12,13,[14]		[6],7,7,[9]	8,8
	14,15,[16],[18]	[11]				
46TRQ7	PowerPlex® Fusion 5c					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
4A6UUU	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
4CBGTR	PowerPlex® Fusion 5C					
	[12],[17],17.3,18	17,[20],24	10,[14]	15,16,[17]	[11],12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,[Y]	[10],12,13
	20,22,[24]	9,[11],14	[7],12,13,[14]		[6],7,[9]	8
	14,15,[16],[18]	[11]				
4MCM6E	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

4PH9WL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
4XHJDC	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	[11],13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,[18]	11			2	
4YMBZX	PowerPlex® Fusion 5C					
	[12],[17],17.3,18	17,[20],24	10,10,[14]	15,16,[17]	[11],12,12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,X,[Y]	[10],12,13
	20,22,[24]	9,[11],14	[7],12,13,[14]		[6],7,7,[9]	8,8
	14,15,[16],[18]	ND,[11]				
6666AZ	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
66PLP3	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
67L34K	GlobalFiler™					
	[12],17,17.3,18	17,20,[24]	10,[14]	15,16,[17]	11,12	
3e	8,11	10,[11],14,[15]	12,14,[15]	15,[22],23	8,[11],[12]	[10],11,12
	11,13,14,21	[13],14,15	29,[31],32.2	11,[15],[16]	X,[Y]	10,12,13
	20,22,24			[12],17,[22.2],29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2	
6AJHEU	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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

6EF8V2	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
6GJ649	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6HCWDT	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6NKECL	GlobalFiler™					
	12,17,17.3,18	17,[20],[24]	10,[14]	15,16,[17]	11,12	
3e	8,11	[10],11,14,15	12,14,15	15,[22],[23]	8,11,[12]	[10],11,12
	11,13,14,21	[13],14,[15]	29,[31],32.2	11,[15],[16]	X,[Y]	10,12,13
	20,22,24			12,17,[22.2],29.2	6,7,[9]	8,8
	14,15,[16],[18]	11			2	
6NNR7A	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,23,24	9,10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,11,12,13
	19,20,21,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6V7769	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6ZX8U	Identifiler® Plus					
		17,[20],[24]		15,16,17	11,12	
3e	8,11	10,11,14,15			8,[11],[12]	[10],11,12
	11,13,14,21	13,14,15	29,31,32.2		X,[Y]	10,12,13
	20,22,24				[6],7,[9]	8
	14,15,16,18					

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

7C4UNJ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
7DEWC4	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
7F46KJ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
7GE3TU	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
8D94V7	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
8ELCJA	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
8HE999	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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

8KZXH9	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,[9]	8
	14,15,16,[18]	[11]			2	
8NQLND	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
8P7QC4	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	N/A
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	[11],13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	N/A	N/A	12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,[18]	[11]	N/A	N/A	2	
8ZKYNA	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
97PXWE	PowerPlex®					
	(12),(17),17.3,18	17,(20),24	10,(14)	15,16,(17)	(11),12	
3e	8,11	(10),11,14,(15)	12,14,(15)	15,(22),23	8,11,(12)	(10),11,12
	(11),(13),14,21	(13),14,15	29,(31),32.2	11,(15),16	X,(Y)	(10),12,13
	20,22,(24)	9,(11),14	(7),12,13		(6),7,(9)	8
	14,15,(16),(18)	11				
99Y3CN	PowerPlex® Fusion (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
9CEFDB	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

9KABEF	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
9RLRKV	PowerPlex® Fusion					
	17.3,18	17,24	10,10	15,16	12,12	
3e	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X,X	12,13
	20,22			17,29.2	7,7	8,8
	14,15	-				
9UVG8D	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
A2QYZV	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
A8H9AT	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	--
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	--	6,7,9	8
	14,15,16,18	11	--	--	--	
A9TBT7	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ABUCVP	Identifiler® Plus					
		17,20,24		15,16,17	11,12	
3e	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8
	14,15,16,18					

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

ACC8JH	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11	-	-	-	
AHJMH7	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
ANJBPC	PowerPlex® Fusion (STRmix 2.7)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16	ND				
B3GPHE	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
BC7BNC	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
BN2JBL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
BXPE9F	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	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 3e - STR Results

C3V93C	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
C47DEE	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
C49ZXE	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
C7WELN	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
CGV8TU	NGM SElect					
	12,17,17.3,18	17,20,24	10,14	15,16,17		
3e		10,11,14,15	12,14,15	15,22,23		10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	
	20,22,24			12,17,22.2,29.2	6,7,9	
	14,15,16,18					
CVD376	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
CX7TFQ	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

D4NE6N	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
D8PPRB	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
DD2GK3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
DHJZ6N	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
DRCD33	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
DVW7D6	PowerPlex® Fusion (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
DVYQAL	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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

E2ETPM	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
E2U7CX	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,0
	14,15,16,18	11,0			2,0	
E773VE	PowerPlex® Fusion 5C (STRmix™)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ED9C6R	Identifiler®					
		17,20,24		15,16,17	11,12	
3e	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8,8
	14,15,16,18					
EGQAU4	PowerPlex® 23, GlobalFiler™					
	12,17,17.3,18	17,20,24	10,[14]	15,16,[17]	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,[12]	[10],11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,[Y]	10,12,13
	20,22,24			[12],17,[22.2],29.2	[6],7,[9]	8
	14,15,[16],18	[11]			[2]	
EJE7YN	Identifiler® Plus (EuroForMix)					
		17,[20],24		15,16,[17]	[11],12	
3e	8,11	[10],11,14,[15]			8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2		X,[Y]	[10],12,13
	20,22,[24]				[6],7,[9]	8
	14,15,[16],[18]					
EQA4NB	GlobalFiler™					
	[12],[17],17.3,18	17,20,24	10,[14]	15,16,[17]	11,12	
3e	8,11	[10],11,14,[15]	12,14,15	15,[22],[23]	8,[11],[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],[16]	X,[Y]	10,12,13
	20,[22],24			12,17,[22.2],29.2	[6],7,[9]	8,8
	14,15,[16],[18]	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

EQZUZK	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
EZL3F2	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
F3NFK	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
F6VT9Y	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2		6,7,9
	14,15,16,18	11			8	
FK4Q6J	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
FPFF6F	PowerPlex®					
	12,17	(17,20)(20,24)	14,inc	16,17	(11,11)(11,12)	
	3e	(8,inc)(11,inc)	10,15	(12,15)(14,15) (15,15)	15,22	(8,12)(11,12)
		11,13	13,inc	(31,31)(31,32.2)	15,inc	X,Y
		(24,24)(20,24)	(11,11)(9,11)(11,14)	7,14		(10,10)(10,12) (10,13)
	16,18	11			6,9	
					8,inc	
FPYK3K	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2		6,7,9
	14,15,16,18	11			8	
					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

FQQJEX	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
FZEB4B	GlobalFiler™					
	12,[17],17.3,18	17,[20],24	10,[14]	[15],16,[17]	11,12	
3e	8,11	[10],11,14,[15]	12,14,15	15,[22],[23]	8,11,[12]	[10],11,12
	[11],13,14,21	[13],14,15	[29],[31],32.2	11,[15],[16]	X,[Y]	10,12,13
	[20],22,24			[12],17,22.2,29.2	[6],7,[9]	8,8
	14,15,[16],18	11			2	
G9LCXB	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
GHEPWB	GlobalFiler™					
	12,17,[17.3],[18]	17,20,[24]	10,14	[15],16,17	11,[12]	
3e	8,11	10,[11],[14],15	[12],[14],15	15,22,[23]	8,[11],12	10,11,[12]
	11,13,[14],[21]	13,14,[15]	[29],31,32.2	11,15,[16]	X,[Y]	10,[12],[13]
	[20],[22],24			12,[17],22.2,[29.2]	6,7,9	8
	[14],[15],16,18	11			2	
GLDZTB	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
GU7C8C	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18					
GVFFGU	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

H2LABP	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
H9KYP9	PowerPlex® Fusion (STRMix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
HAEM94	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
HL7DT9	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NT
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	NT	6,7,9	8
	14,15,16,18	11	NT	NT	NT	
HNB4X3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
HU2E8Z	PowerPlex®					
	[12,17],17.3,18	17,[20],24	10,10,[14]	15,16,[17]	[11],12,12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11,13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,X,[Y]	[10],12,13
	20,22,[24]	9,[11],14	[7],12,13,[14]		[6],7,7,[9]	8,8
	14,15,[16,18]	[11]				
J3CX7Q	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

J9GVFU	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
JE7DT7	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
JEMBL7	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
JJUN4	Investigator® 24plex					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
JRE6NR	GlobalFiler™					
	[12],[17],17.3,18	17,20,24	10,10,[14]	15,16,[17]	11,12	
3e	8,[8],11,[11]	[10],11,14,[15]	12,14,15	15,[22],23	8,[8],11,[12]	10,11,12
	11,13,14,21	[13],[14],14,15	29,[31],32.2	11,15,16	X,X,[X],[Y]	[10],[10],12,13
	20,22,[24],[24]			[12],17,[22.2],29.2	[6],7,[9]	8,8,[8],[8]
	14,15,[16],[18]	[11]			[2]	
JTM7JX	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
K8M8WY	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NT
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	NT	6,7,9	8
	14,15,16,18	11	NT	NT	NT	

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

KKN4VR	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
KRQ9MB	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
KUY7GR	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
KVT3TT	GlobalFiler™ (STRmix 2.6.2)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
L3KPCC	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	-
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	-	-	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	-	2		
L43Q8R	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	[11],13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,[18]	[11]		2		
L6B7AQ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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

L7MPCA	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18					
LCCZQD	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
LDHRCZ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LH2H34	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LHX9WP	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,18	11			2	
LDECF	GlobalFiler™ (STRMix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LKKV4J	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	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

LLWJRP	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		[11],13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,[18]	[11]			2	
LYM68T	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
MA2G33	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
MBF2TQ	Identifiler® Plus					
		17,[20],24		15,16,[17]	[11],12	
	3e	8,11	[10],11,14,[15]		8,11,[12]	[10],11,12
		[11],[13],14,21	[13],14,15	29,[31],32.2	X,[Y]	[10],12,13
		20,22,[24]			[6],7,[9]	8
	14,15,[16],[18]					
MPTGU2	PowerPlex®					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
MUC4JJ	GlobalFiler™ (GeneMapper ID-X 1.4)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
N6KUNN	PowerPlex® 21					
	12,17,17.3,18	17,20,24		15,16,17	11,12	12,18,19,21.3
	3e	8,11	10,11,14,15		15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2		X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18				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 3e - STR Results

NA2YHC	PowerPlex®					
	[12,17],17.3,18	17,[20],24	10,10,[14]	15,16,[17]	[11],12,12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11,13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,X,[Y]	[10],12,13
	20,22,[24]	9,[11],14	[7],12,13,[14]		[6],7,7,[9]	8,8
	14,15,[16,18]	ND,[11]				
NBFE7Q	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
ND2BDC	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	ND				
NMP4P9	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
NPR9W2	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
NVZAJQ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
PDCCUJ	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

PJGB69	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	-
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	-	-	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	-	2		
PMEYJV	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
PW4KPT	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
Q39RUN	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NA
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	[11],13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	NA	NA	12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,[18]	[11]	NA	2		
Q3RKP7	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
QCCVXX	PowerPlex® Fusion 5C					
	17.3,18	17,24	10	15,16	12	
	3e 8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	X	12,13
	20,22	9,14	12,13		7	8
	14,15	ND				
QCX8VL	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	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

QDQBEK	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	[11],13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,[18]	[11]			2	
QK8XXN	GlobalFiler™					
	[12,17],17.3,18	17,[20,24]	10,[14]	15,16,[17]	[11],12	
3e	8,11	10,11,14,[15]	12,14,15	15,[22,23]	8,[11,12]	[10],11,12
	[11,13],14,21	[13],14,[15]	[29,31],32.2	11,[15,16]	X,[Y]	10,12,13
	20,22,24			[12],17,[22.2],29.2	[6],7,[9]	8
	14,15,[16,18]	11			2	
QTHZJP	GlobalFiler™ (STRMix)					
	[12],[17],17.3,18	17,[20],[24]	10,[14]	15,16,[17]	11,12	
3e	8,11	[10],11,14,[15]	12,14,15	15,[22],[23]	8,11,[12]	[10],11,[12]
	[11],[13],14,21	[13],14,[15]	29,[31],32.2	11,[15],16	X,[Y]	10,12,13
	20,22,24			12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,18	11			2	
QZK3QB	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
R3LPH6	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
R9R79T	Identifiler® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
RC72QC	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	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

RHHM24

	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13		6,7,9	8,8
	14,15,16,18	11				

RLG3CC

	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	

RNQ9T8

	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	

RRMYTR

	PowerPlex® Fusion					
	[12],[17],17.3,18	17,[20],24	10,[14]	15,16,[17]	[11],12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,[Y]	[10],12,13
	20,22,[24]	9,[11],14	[7],12,13,[14]		[6],7,[9]	8
	14,15,[16],[18]	[11]				

T3YLGH

	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	

THCYWV

	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	

TLC3Q3

	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

TM8LT4	PowerPlex® Fusion (STRMIX)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
TRC2YN	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
TRG7CV	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
U3UNLD	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
U6JRG7	Identifiler® Plus					
		17,20,24		15,16,17	11,12	
3e	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8
	14,15,16,18					
UACW9N	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
UE8Q7P	PowerPlex® Fusion 5C					
	[12],[17],17.3,18	17,[20],24	10,[14]	15,16,[17]	11,12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,[Y]	[10],12,13
	20,22,24	9,[11],14	[7],12,13,[14]		[6],7,[9]	8
	14,15,[16],[18]	ND,[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 3e - STR Results

UGZGFB	PowerPlex® Fusion 6C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11	20	18		
UKDJZL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
UTFFKK	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NA
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	NA	NA	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	NA	NA	2	
UU43FE	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
V89LRE	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WCH2YH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WEHA6D	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 3e - STR Results

WFU7AH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
14,15,16,18	11			2		
WJHBB3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
14,15,16,18	11			2		
WNN8V3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
14,15,16,18	11			2		
WNXUPH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
14,15,16,18	11			2		
WUDQUC	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
14,15,16,18	11					
WXD3QB	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
14,15,16,18	11					
X3MDKQ	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
14,15,16,18	ND					

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

X6UNJF	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
X9CXLL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
XD6UDX	PowerPlex® Fusion (STRMIX)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,30,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
	14,15,16,18	11			8	
XEHM8Z	Investigator® 24plex QS					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
XKQ4MF	GlobalFiler™ (STRmix 2.6.2)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
XNPG4D	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
XV4ENQ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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

XGTGVZ	Investigator® 24plex (STRMix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24		12,17,22.2,29.2	6,7,9	10,12,13
	14,15,16,18	11			8	
Y2A6TH	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14	6,7,9	10,12,13
	14,15,16,18	11			8	
Y6ACCU	PowerPlex® Fusion (STRmix 2.7)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,16	X,Y
		20,22,24	9,11,14	7,12,13,14	6,7,9	10,12,13
	14,15,16,18	ND			8	
Y6NZBZ	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14	6,7,9	10,12,13
	14,15,16,18	11			8	
YCAVDP	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14	6,7,9	10,12,13
	14,15,16,18	11			8	
YJR6Z2	PowerPlex® 5C (BulletProof)					
	12,17,17.3,18	17,20,24	10,[14]	15,16,17	12,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11
		11,13,14,21	13,14,15	29,31,32.2	11,[15],[16]	X,[Y]
		20,22,24	9,11,14	[7],12,13,14	[6],7,[9]	10,12,13
	14,15,[16],[18]	11			8,8	
YM4CYK	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14	6,7,9	10,12,13
	14,15,16,18	11			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 3e - STR Results

YMRV2	Investigator® 24plex (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
YW7F9	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
Z4AXZL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ZFNTJR	GlobalFiler™					
	[12],[17],17.3,18	17,[20],24	10,[14]	15,16,[17]	[11],12	
3e	8,11	[10],11,14,[15]	12,14,[15]	15,[22],23	8,11,[12]	[10],11,12
	[11],[13],14,21	[13],14,15	29,[31],32.2	11,[15],16	X,[Y]	[10],12,13
	20,22,[24]			[12],17,[22.2],29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2	
ZLRW6J	PowerPlex® (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ZVXHJQ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
3e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
ZWADXQ	PowerPlex® Fusion					
	17.3,18	17,24	10,10	15,16	12,12	
3e	8,11	11,14	12,14	15,23	8,11	11,12
	14,21	14,15	29,32.2	11,16	XX	12,13
	20,22	9,14	12,13		7,7	8,8
	14,15	ND				

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

2696H7	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
27VVAX	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
28MXWD	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
2E68KA	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
2ENATA	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
2QZF7X	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
2T68VP	PowerPlex® Fusion (STRmix™)					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	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 3sp - STR Results

2U3CXD	Investigator® 24plex					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11				
2UYVEK	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
2W79X8	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
2Z4UPB	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
34JKTK	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
3EK8HV	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
3NTFNW	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	NA
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	NA	6,9	8,8
	16,18	11	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 3sp - STR Results

3TXH7H	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
3WVFHD	GlobalFiler™					
		12,17	17,20	10,14	16,17	11 NT
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	NT	NT	12,22.2	6,9 8
		16,18	11	NT	NT	2
3XTC4K	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
46TRQ7	PowerPlex® Fusion 5c					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
4A6UJU	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
4CBGTR	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
4MCM6E	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	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 3sp - STR Results

4PH9WL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
4XHJDC	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
4YMBZX	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
6666AZ	PowerPlex® Fusion 6C (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
66PLP3	PowerPlex® Fusion 6C (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
67L34K	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
6AJHEU	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 3sp - STR Results

6EF8V2	PowerPlex® Fusion 6C (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
6GJ649	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
6HCWDT	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
6NKECL	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
6NNR7A	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
6V7769	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
6ZX8U	Identifiler® Plus					
		17,20		16,17	11	
3sp	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10
	24				6,9	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

7C4UNJ	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
7DEWC4	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
7F46KJ	GlobalFiler™ (STRmix)					
	12,17	17,20,24	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	29,31,32.2	11,15,16	X,Y	10,12,13
	22,24			12,17,22.2,29.2	6,7,9	8
	16,18	11			2	
7GE3TU	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
8D94V7	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
8ELCJA	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
8HE999	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 3sp - STR Results

8KZXH9	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
8NQLND	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
8P7QC4	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11 N/A
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	N/A	N/A	12,22.2	6,9 8,8
		16,18	11	N/A	N/A	2
8ZKYNA	PowerPlex® 5C					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
97PXWE	PowerPlex®					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
99Y3CN	PowerPlex® Fusion (STRmix)					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
9CEFDB	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	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 3sp - STR Results

9KABEF	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
9RLRKV	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11				
9UVG8D	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
A2QYZV	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
A8H9AT	PowerPlex® 5C					
	12,17	17,20	10,14	16,17	11	--
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	--	6,9	8
	16,18	11	--	--	--	
A9TBT7	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
ABUCVP	Identifiler® Plus					
		17,20		16,17	11	
3sp	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10
	24				6,9	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

ACC8JH	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11	-	-	-	
AHJMH7	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
ANJBPC	PowerPlex® Fusion (STRmix 2.7)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
B3GPHE	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
BC7BNC	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
BN2JBL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
BXPE9F	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 3sp - STR Results

C3V93C	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
C47DEE	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
C49ZXE	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	29,31,32.2	11,15,16	X,Y	10
	24			12,22.2	6,9	8
	14,16,18	11			2	
C7WELN	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
CGV8TU	NGM SElect					
	12,17	17,20	10,14	16,17		
3sp		10,15	15,15	15,22		10,11
	11,13	13,14	31,32.2	11,15	X,Y	
	24,24			12,22.2	6,9	
	16,18					
CVD376	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
CX7TFQ	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 3sp - STR Results

D4NE6N	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
D8PPRB	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,[13]
	[22],24			12,22.2	6,9	8
	16,18	11			2	
DD2GK3	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
DHJZ6N	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
DRCD33	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
DVW7D6	PowerPlex® Fusion (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
DVYQAL	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 3sp - STR Results

E2ETPM	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
E2U7CX	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,0
	16,18	11,0			2,0	
E773VE	PowerPlex® Fusion 5C (STRmix™)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
ED9C6R	Identifiler®					
		17,20		16,17	11,11	
3sp	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10,10
	24,24				6,9	8,8
	16,18					
EGQAU4	PowerPlex® 23, GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
EJE7YN	Identifiler® Plus (EuroForMix)					
		17,20		16,17	11,11	
3sp	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10,10
	24,24				6,9	8,8
	16,18					
EQA4NB	GlobalFiler™					
	12,17	[17],20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	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 3sp - STR Results

EQZUZK	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
	16,18	11				
EZL3F2	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
	16,18	11				
F3NFK	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
	16,18	11				
F6VT9Y	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
	16,18	11			2	
FK4Q6J	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
	16,18	11				
PFFF6F	PowerPlex®					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
	16,18	11				
FPYK3K	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
	16,18	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 3sp - STR Results

FQQJEX	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
FZEB4B	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
G9LCXB	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11	7,14		6,9 8,8
		16,18	11			
GHEPWB	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		[20],24			12,22.2	6,9 8
		16,18	11			2
GLDZTB	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
GU7C8C	PowerPlex® Fusion 5C (STRmix)					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	11			
GVFFGU	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	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 3sp - STR Results

H2LABP	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
H9KYP9	PowerPlex® Fusion (STRMix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
HAEM94	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
HL7DT9	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	NT
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	NT	6,9	8,8
	16,18	11	NT	NT	NT	
HNB4X3	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
HU2E8Z	PowerPlex®					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
J3CX7Q	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 3sp - STR Results

J9GVFU	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
JE7DT7	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
JEMBL7	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
JJUN4	Investigator® 24plex					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11				
JRE6NR	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
JTM7JX	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
K8M8WY	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	NT
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	NT	6,9	8,8
	16,18	11	NT	NT	NT	

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

KKN4VR	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
	16,18	11			2	
KRQ9MB	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
	16,18	11				
KUY7GR	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
	16,18	11			2	
KVT3TT	GlobalFiler™ (STRmix 2.6.2)					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
	16,18	11			2	
L3KPCC	GlobalFiler™					
		12,17	17,20	10,14	16,17	11 -
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	-	-	12,22.2	6,9 8
	16,18	11	-	-	2	
L43Q8R	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
	16,18	11			2	
L6B7AQ	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
	16,18	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 3sp - STR Results

L7MPCA	PowerPlex® Fusion 5C (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
LCCZQD	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
LDHRCZ	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
LH2H34	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	[14],16,18	11			2	
LHX9WP	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
LDECF	GlobalFiler™ (STRMix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
LKKV4J	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	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 3sp - STR Results

LLWJRP	GlobalFiler™						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11			2		
LYM68T	GlobalFiler™						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24			12,22.2	6,9	8
	16,18	11			2		
MA2G33	PowerPlex® Fusion 5C						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
MBF2TQ	Identifiler® Plus						
			17,20		16,17	11,11	
	3sp	8,11	10,15			8,12	10,11
		11,13	13,14	31,32.2		X,Y	10,10
		24,24				6,9	8,8
	16,18						
MPTGU2	PowerPlex®						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
MUQ4JJ	GlobalFiler™ (GeneMapper ID-X 1.4)						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11			2		
N6KUNN	PowerPlex® 21						
		12,17	17,20		16,17	11,11	12,18
	3sp	8,11	10,15		15,22	8,12	10,11
		11,13	13,14	31,32.2		X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	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

NA2YHC	PowerPlex®					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
NBFE7Q	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
ND2BDC	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
NMP4P9	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
		16,18	11			2
NPR9W2	PowerPlex® Fusion 5C					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
		16,18	11			
NVZAJQ	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
3sp		8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
		16,18	11			2
PDCCUJ	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
3sp		8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
		16,18	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 3sp - STR Results

PJGB69	GlobalFiler™						
		12,17	17,20	10,14	16,17	11	-
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	-	-	12,22.2	6,9	8
	16,18	11	-	-	2		
PMEYJV	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
PW4KPT	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
Q39RUN	GlobalFiler™						
		12,17	17,20	10,14	16,17	11,11	NA
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	NA	NA	12,22.2	6,9	8,8
	16,18	11	NA	NA	2		
Q3RKP7	GlobalFiler™						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24			12,22.2	6,9	8
	16,18	11			2		
QCCVXX	PowerPlex® Fusion 5C						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	11					
QCX8VL	GlobalFiler™						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	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 3sp - STR Results

QDQBEK	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
QK8XXN	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
QTHZJP	GlobalFiler™ (STRMix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
QZK3QB	PowerPlex® Fusion 6C (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14	12,22.2	6,9	8
	16,18	11	20	18		
R3LPH6	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
R9R79T	Identifiler® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
RC72QC	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	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 3sp - STR Results

RHHM24						
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
RLG3CC	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
RNQ9T8	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
RRMYTR	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
T3YLGH	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
THCYWV	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
TLC3Q3	PowerPlex® Fusion 5C (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 3sp - STR Results

TM8LT4	PowerPlex® Fusion (STRMIX)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
TRC2YN	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
TRG7CV	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
U3UNLD	PowerPlex® 5C					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
U6JRG7	Identifiler® Plus					
		17,20		16,17	11	
3sp	8,11	10,15			8,12	10,11
	11,13	13,14	31,32.2		X,Y	10
	24				6,9	8
	16,18					
UACW9N	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
UE8Q7P	PowerPlex® Fusion 5C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 3sp - STR Results

UGZGFB	PowerPlex® Fusion 6C					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14	12,22.2	6,9	8,8
	16,18	11	20	18		
UKDJZL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
UTFFKK	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	NA
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	NA	NA	12,22.2	6,9	8
	16,18	11	NA	NA	2	
UU43FE	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
V89LRE	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
WCH2YH	GlobalFiler™					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
WEHA6D	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	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 3sp - STR Results

WFU7AH	GlobalFiler™					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24			12,22.2	6,9 8,8
	16,18	11			2	
WJHBB3	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
	16,18	11			2	
WNN8V3	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
	16,18	11			2	
WNXUPH	GlobalFiler™					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24			12,22.2	6,9 8
	16,18	11			2	
WUDQUC	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
	16,18	11				
WXD3QB	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11
	3sp	8,11	10,15	15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10
		24	11	7,14		6,9 8
	16,18	11				
X3MDKQ	PowerPlex® Fusion					
		12,17	17,20	10,14	16,17	11,11
	3sp	8,11	10,15	15,15	15,22	8,12 10,11
		11,13	13,14	31,32.2	11,15	X,Y 10,10
		24,24	11,11	7,14		6,9 8,8
	16,18	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 3sp - STR Results

X6UNJF	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
X9CXLL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
XD6UDX	PowerPlex® Fusion (STRMIX)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
XEHM8Z	Investigator® 24plex QS					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11				
XKQ4MF	GlobalFiler™ (STRmix 2.6.2)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	11			2	
XNPG4D	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
XV4ENQ	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,22.2	6,9	8
	16,18	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 3sp - STR Results

XXTGZV	Investigator® 24plex (STRMix)						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24			12,22.2	6,9	8,8
	16,18	11					
Y2A6TH	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	11					
Y6ACCU	PowerPlex® Fusion (STRmix 2.7)						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	11					
Y6NZBZ	PowerPlex® Fusion						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	11					
YCAVDP	PowerPlex® Fusion 5C (STRmix)						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
YJR6Z2	PowerPlex® 5C (BulletProof)						
		12,17	17,20	10,14	16,17	11,11	
	3sp	8,11	10,15	15,15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10,10
		24,24	11,11	7,14		6,9	8,8
	16,18	11					
YM4CYK	PowerPlex® 5C						
		12,17	17,20	10,14	16,17	11	
	3sp	8,11	10,15	15	15,22	8,12	10,11
		11,13	13,14	31,32.2	11,15	X,Y	10
		24	11	7,14		6,9	8
	16,18	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 3sp - STR Results

YMRFV2	Investigator® 24plex (STRmix)					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11				
YW7F9	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
Z4AXZL	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	11				
ZFNTJR	GlobalFiler™					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24			12,22.2	6,9	8,8
	16,18	11			2	
ZLRW6J	PowerPlex® (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24	11	7,14		6,9	8
	16,18	11				
ZVXHJQ	GlobalFiler™ (STRmix)					
	12,17	17,20	10,14	16,17	11	
3sp	8,11	10,15	15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10
	24			12,17,22.2	6,9	8
	16,18	11			2	
ZWADXQ	PowerPlex® Fusion					
	12,17	17,20	10,14	16,17	11,11	
3sp	8,11	10,15	15,15	15,22	8,12	10,11
	11,13	13,14	31,32.2	11,15	X,Y	10,10
	24,24	11,11	7,14		6,9	8,8
	16,18	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 4 - STR Results

2696H7	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
27VVAX	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
28MXWD	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
2E68KA	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
2ENATA	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
2QZF7X	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
2T68VP	PowerPlex® Fusion (STRmix™)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

2U3CXD	Investigator® 24plex					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
2UYVEK	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
2W79X8	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
34JKTK	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
3EK8HV	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
3NTFNW	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NA
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	NA	6,7,9	8
	14,15,16,18	11	NA	NA	NA	
3TXH7H	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

3WVFHD	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NT
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	NT	NT	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	NT	NT	2	
3XTC4K	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
46TRQ7	PowerPlex® Fusion 5c					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
4A6UUJ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
4CBGTR	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
4MCM6E	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
4PH9WL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

4XHJDC	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
4YMBZX	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
6666AZ	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
66PLP3	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
67L34K	GlobalFiler™					
	12,17,17.3,18	17,[20],24	10,[14]	[15],16,[17]	11,12	
4	8,11	10,11,14,15	[12],14,15	15,[22],[23]	8,[11],[12]	[10],11,[12]
	11,13,14,21	[13],14,[15]	[29],[31],32.2	11,[15],16	X,[Y]	10,12,13
	[20],22,24			12,17,[22.2],29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2	
6AJHEU	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6EF8V2	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	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

6GJ649	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6HCWDT	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6NKECL	GlobalFiler™					
	12,17,17.3,18	17,[20],[24]	10,[14]	15,16,[17]	[11],12	
4	8,11	10,11,14,[15]	12,14,15	15,[22],[23]	8,[11],[12]	[10],11,12
	11,[13],14,21	[13],14,[15]	[29],[31],32.2	11,[15],[16]	X,[Y]	10,12,13
	20,22,24			[12],17,[22.2],29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2	
6NNR7A	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6V7769	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
6ZX8U	Identifiler® Plus					
		17,20,24		15,16,17	11,12	
4	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,[Y]	10,[12],[13]
	20,22,24				6,7,9	8
	14,15,16,18					
7C4UNJ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

7DEWC4	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
7F46KJ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
7GE3TU	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
7WQJ3H	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
89YLYY	PowerPlex® Fusion, VeriFiler Plus					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	12,18,19,21.3
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11			2	
8D94V7	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
8ELCJA	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

8HE999	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
8KZXH9	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
8NQLND	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
8P7QC4	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	N/A
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	N/A	N/A	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	N/A	N/A	2	
8ZKYNA	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
97PXWE	PowerPlex®					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
99Y3CN	PowerPlex® Fusion (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

9CEFDB	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
9KABEF	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
9RLRKV	Investigator® 24plex					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11				
9UVG8D	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
A2QYZV	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
A8H9AT	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	--
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	--	6,7,9	8
	14,15,16,18	11	--	--	--	
A9TBT7	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

ABUCVP	Identifiler® Plus					
		17,20,24		15,16,17	11,12	
4	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8
	14,15,16,18					
ACC8JH	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11	-	-	-	
AFAMBD	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18		
AHJMH7	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
ANJBPC	PowerPlex® Fusion (STRmix 2.7)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
B3GPHE	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
BC7BNC	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

BN2JBL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
BXPE9F	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
C3V93C	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
C47DEE	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
C49ZXE	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
C7WELN	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
CGV8TU	NGM SElect					
	12,17,17.3,18	17,20,24	10,14	15,16,17		
4		10,11,14,15	12,14,15	15,22,23		10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	
	20,22,24			12,17,22.2,29.2	6,7,9	
	14,15,16,18					

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

CVD376	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
CX7TFQ	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
D4NE6N	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
D8PPRB	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
DD2GK3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
DHJZ6N	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
DRCD33	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

DVW7D6	PowerPlex® Fusion (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
DVYQAL	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
E2ETPM	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
E2U7CX	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,0
	14,15,16,18	11,0			2,0	
E773VE	PowerPlex® Fusion 5C (STRmix™)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ED9C6R	Identifiler®					
		17,20,24		15,16,17	11,12	
4	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8,8
	14,15,16,18					
EGQAU4	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

EJE7YN	Identifiler® Plus (EuroForMix)					
		17,20,24		15,16,17	11,12	
4	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8
	14,15,16,18					
EQA4NB	GlobalFiler™					
	12,17,17.3,18	17,[20],[24]	10,[14]	[15],16,[17]	11,12	
4	8,11	[10],11,14,[15]	12,14,15	15,[22],[23]	8,[11],[12]	[10],11,[12]
	[11],13,14,21	[13],14,15	[29],[31],32.2	11,[15],[16]	X,[Y]	10,12,[13]
	20,22,24			[12],17,22.2,29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2	
EQZUZK	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
EZL3F2	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
F3NFK	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
F6VT9Y	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
FK4Q6J	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

FPFF6F	PowerPlex®						
	(12,17)(12,17.3)	(17,17)(20,24)	(10,10)(10,14)	(15,16)(16,17)	(11,11)(12,12)		
	(12,18)(17,17.3)	(17,20)(17,24)		(15,17)(16,16)	(11,12)		
	(17,18)(17.3,18)						
	4	(8,8)(11,11)(8,11)	(10,11)(10,14)	(12,14)(15,15)	(15,15)(22,23)	(8,8)(11,12)(8,11)	(11,11)(10,12)
			(10,15)(11,14)	(12,15)(14,15)	(15,22)(15,23)	(8,12)	(10,11)(11,12)
		(11,15)(14,15)	(14,14)				
	(11,13)(11,14)	(14,14)(13,15)	(32,2,32.2)(29,31)	(11,11)(15,16)	(X,Y)(X,X)	(10,10)(12,13)	
	(11,21)(13,14)	(13,14)(14,15)	(29,32.2)(31,32.2)	(11,16)(11,15)		(10,12)(10,13)	
	(13,21)(14,21)						
	(24,24)(20,22)	(11,11)(9,14)(9,11)	(7,12)(7,13)(7,14)		(7,9)(7,7)(6,9)(6,7)	8,8	
	(20,24)(22,24)	(11,14)	(12,13)(12,14)				
	(20,20)		(13,14)				
	(14,15)(14,16)	(ND)(11)					
	(14,18)(15,16)						
	(15,18)(16,18)						
FPYK3K	GlobalFiler™						
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12		
	4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
		20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2		
FQQJEX	GlobalFiler™						
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12		
	4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
		20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2		
FZEB4B	GlobalFiler™						
	[12],17,17.3,18	17,[20],24	10,[14]	15,16,[17]	11,12		
	4	8,11	[10],11,14,[15]	12,14,15	15,[22],23	8,11,[12]	
		11,[13],14,21	[13],14,[15]	29,[31],32.2	11,[15],[16]	X,[Y]	10,12,13
		20,22,24			[12],17,22.2,29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2		
G9LCXB	PowerPlex® Fusion 5C						
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12		
	4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
		20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11					
GHEPWB	GlobalFiler™						
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12		
	4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
		20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

GLDZTB	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
GU7C8C	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
GVFFGU	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
H2LABP	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
H9KYP9	PowerPlex® Fusion (STRMix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
HAEM94	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
HL7DT9	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NT
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	NT	6,7,9	8
	14,15,16,18	11	NT	NT	NT	

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

HNB4X3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
HU2E8Z	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
J3CX7Q	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
J9GVFU	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
JE7DT7	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11		2		
JEMBL7	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
JJUN4	Investigator® 24plex					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
	4 8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

JRE6NR	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
JTM7JX	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
K8M8WY	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NT
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	NT	6,7,9	8
	14,15,16,18	11	NT	NT	NT	
KKN4VR	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
KRQ9MB	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
KUY7GR	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
KVT3TT	GlobalFiler™ (STRmix 2.6.2)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

L3KPCC	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	-
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	-	-	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	-	-	2	
L43Q8R	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
L6B7AQ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
L7MPCA	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
LCCZQD	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
LDHRCZ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LH2H34	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

LHX9WP	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LDECF	GlobalFiler™ (STRMix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LKKV4J	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
LLWJRP	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
LYM68T	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
MA2G33	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
MBF2TQ	Identifiler® Plus					
		17,20,24		15,16,17	11,12	
4	8,11	10,11,14,15			8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24				6,7,9	8
	14,15,16,18					

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

MPTGU2	PowerPlex®					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
MUQ4JJ	GlobalFiler™ (GeneMapper ID-X 1.4)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
N6KUNN	PowerPlex® 21					
	12,17,17.3,18	17,20,24		15,16,17	11,12	12,18,19,21.3
4	8,11	10,11,14,15		15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2		X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18					
NA2YHC						
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
NBFE7Q	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
ND2BDC	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
NMP4P9	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

NPR9W2	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
NVZAJQ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
PDCCUJ	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
PJGB69	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	-
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	-	-	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	-	-	2	
PMEYJV	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
PW4KPT	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
Q39RUN	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	NA
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	NA	NA	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	NA	NA	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

Q3RKP7	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
QCCVXX	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
QCX8VL	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
QDQBK	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
QK8XXN	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,[20,24]	10,[14]	[15],16,17	11,12	
4	8,11	10,11,14,15	[12],14,15	15,[22,23]	8,[11],12	[10],11,[12]
	11,13,14,21	[13],14,[15]	[29,31],32.2	11,[15],16	X,[Y]	10,[12],13
	[20,22],24			12,17,22.2,29.2	[6],7,[9]	8
	14,15,16,18	11			2	
QTHZJP	GlobalFiler™ (STRMix)					
	12,17,17.3,18	17,[20],[24]	10,[14]	15,16,[17]	11,12	
4	8,11	10,11,14,15	[12],[14],15	15,[22],23	8,[11],[12]	[10],11,[12]
	11,13,14,21	[13],14,[15]	[29],[31],32.2	11,[15],[16]	X,[Y]	10,[12],[13]
	[20],[22],24			12,17,22.2,29.2	6,7,[9]	8
	14,15,16,18	11			2	
QZK3QB	PowerPlex® Fusion 6C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	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

R3LPH6	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
R9R79T	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
RC72QC	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
RHHM24						
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
RLG3CC	GlobalFiler™ (DNA VIEW)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
RNQ9T8	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
RRMYTR	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

T3YLGH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
THCYWV	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
TLC3Q3	PowerPlex® Fusion 5C (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
TM8LT4	PowerPlex® Fusion (STRMIX)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
TRC2YN	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
TRG7CV	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
U3UNLD	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

U6JRG7	Identifiler® Plus					
		17,20,24		15,16,17	11,12	
4		8,11	10,11,14,15		8,11,12	10,11,12
		11,13,14,21	13,14,15	29,31,32.2	X,Y	10,12,13
		20,22,24			6,7,9	8
		14,15,16,18				
UACW9N	PowerPlex® Fusion					
		12,17,17.3,18	17,20,24	10,14	15,16,17	11,12
4		8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
		14,15,16,18	11			8
UE8Q7P	PowerPlex® Fusion 5C					
		12,17,17.3,18	17,20,24	10,14	15,16,17	11,12
4		8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
		14,15,16,18	11			8
UGZGFB	PowerPlex® Fusion 6C					
		12,17,17.3,18	17,20,24	10,14	15,16,17	11,12
4		8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9
		14,15,16,18	11	20	18	8,8
UKDJZL	PowerPlex® Fusion					
		12,17,17.3,18	17,20,24	10,14	15,16,17	11,12
4		8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14		6,7,9
		14,15,16,18	11			8
UP8E2T	PowerPlex® Fusion 6C (STRmix)					
		12,17,17.3,18	17,20,24	10,14	15,16,17	11,12
4		8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9
		14,15,16,18	11	20	18	8
UTFFKK	GlobalFiler™					
		12,17,17.3,18	17,20,24	10,14	15,16,17	11,12
4		8,11	10,11,14,15	12,14,15	15,22,23	8,11,12
		11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y
		20,22,24	NA	NA	12,17,22.2,29.2	6,7,9
		14,15,16,18	11	NA	NA	8
					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

UU43FE	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
V89LRE	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WCH2YH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WEHA6D	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
WFU7AH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WJHBB3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WNN8V3	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

WNXUPH	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
WUDQUC	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
WXD3QB	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
X3MDKQ	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
X6UNJF	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
X8XQZ6	PowerPlex® Fusion 6C (LRmix Studio, LabRetriever, EFM, DNAMView)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,10,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11	20	18		
X9CXLL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

XD6UDX	PowerPlex® Fusion (STRMIX)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,30,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
XEHM8Z	Investigator® 24plex QS					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
XKQ4MF	GlobalFiler™ (STRmix 2.6.2)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
XNPG4D	GlobalFiler™ (STRMIX)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
XV4ENQ	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
XXTGvZ	Investigator® 24plex (STRMix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11				
Y2A6TH	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4 - STR Results

Y6ACCU	PowerPlex® Fusion (STRmix 2.7)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
Y6NZBZ	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
YCAVDP	PowerPlex® Fusion 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
YD4MJ6	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	-
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	-	-	12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11	-	-	2	
YJR6Z2	PowerPlex® 5C (BulletProof)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	[20],[22],24	[9],11,[14]	7,12,13,14		6,7,9	8,8
	14,15,16,18	11				
YM4CYK	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
YMRV2	Investigator® 24plex (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4 - STR Results

YPW396	PowerPlex® Fusion, NGM Detect					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14	12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11	20	18	2	
YWF7F9	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8,8
	14,15,16,18	11			2	
Z4AXZL	PowerPlex® Fusion					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ZFNTJR	GlobalFiler™					
	12,[17],17.3,18	17,[20],[24]	10,[14]	[15],16,[17]	11,12	
4	8,11	[10],11,14,[15]	12,14,15	15,[22],[23]	8,[11],[12]	[10],11,[12]
	[11],[13],14,21	[13],14,[15]	[29],[31],32.2	11,[15],[16]	X,[Y]	10,12,13
	20,22,24			12,17,22.2,29.2	[6],7,[9]	8,8
	14,15,[16],[18]	11			2	
ZLRW6J	PowerPlex®					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	11				
ZVXHJQ	GlobalFiler™ (STRmix)					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	11			2	
ZWADXQ	PowerPlex® 5C					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24	9,11,14	7,12,13,14		6,7,9	8
	14,15,16,18	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 4e - STR Results

2Z4UPB	GlobalFiler™					
	12,17,17.3,18	17,20,24	10,14	15,16,17	11,12	
4e	8,11	10,11,14,15	12,14,15	15,22,23	8,11,12	10,11,12
	11,13,14,21	13,14,15	29,31,32.2	11,15,16	X,Y	10,12,13
	20,22,24			12,17,22.2,29.2	6,7,9	8
	14,15,16,18	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 4sp - STR Results

2Z4UPB GlobalFiler™

4sp



YSTR Amplification Kit(s) & Results

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 1 - YSTR Results

6ZXE8U	Yfiler™								
1	NA	NA	NA	NA	NA	NA	NA	NA	NA
A8H9AT	PowerPlex® Y 23								
1	--	--	--	--	--	--	--	--	--
YPW396	Yfiler™ Plus								
1	*	*	*	*	*	*	*	*	*

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									
2696H7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
27VAX	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
28MXWD	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
2QZF7X	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		13
2UYVEK	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
3NTFNW	PowerPlex® Y 23								
	NA	15	11,15	13	29	24	11	11	13
2	14	11	10	19	NA	16	15	NA	23
	NA	12	12	20	18	NA	24	10	13
3TXH7H	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
3WVFHD	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12	NT	20	18	16	24	NT	13
4A6UJU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
4XHJDC	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		13
66PLP3	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
6AJHEU	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		13

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

6GJ649	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
6V7769	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
6ZXEU	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
7C4UNJ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7F46KJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7GE3TU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7WQJ3H	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
89YLYY	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
8D94V7	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8HE999	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8KZXH9	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
8NQLND	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
8P7QC4	Yfiler™								
	N/A	15	11,15	13	29	24	11	11	13
2	14	11	10	19	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	13
9UVG8D	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
A2QYZV	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
A8H9AT	PowerPlex® Y 23								
	--	15	11,15	13	29	24	11	11	13
2	14	11	10	19	--	16	15	--	23
	--	12	12	20	18	--	24	10	13
A9TBT7	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
ABUCVP	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
ACC8JH	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
ANJBPC	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
BC7BNC	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
BXPE9F	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
C3V93C	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
C7WELN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
CGV8TU	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
CX7TFQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
D8PPRB	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DD2GK3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DHJZ6N	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DVW7D6	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
DVYQAL	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E2ETPM	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E773VE	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
EGQAU4	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
EJE7YN	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
EQZUZK	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13

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									
F6VT9Y	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		
FK4Q6J	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
FQQJEX	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
FZEB4B	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
GLDZTB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
GVFFGU	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		
H9KYP9	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
HNB4X3	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
J9GVFU	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JE7DT7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JJJUN4	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JRE6NR	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		

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									
JTM7JX	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
L3KPCC	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
2	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
L43Q8R	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
LCCZQD	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
LDHRCZ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LH2H34	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LHX9WP	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
LLWJRP	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
LYM68T	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
MUQ4JJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NBFE7Q	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NMP4P9	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
NVZAJQ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
PJGB69	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
2	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
PW4KPT	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
Q39RUN	Yfiler™								
	NA	15	11,15	13	29	24	11	11	13
2	14	11	10	19	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	24	NA	13
Q3RKP7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
QDQBK	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
QK8XXN	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
QTHZJP	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
R3LPH6	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RC72QC	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RLG3CC	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RNQ9T8	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
THCYWV	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
TLTE99	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
TRC2YN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
U3UNLD	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		13
U6JRG7	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		13
							24		13
UACW9N	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
UGZGFB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
UP8E2T	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
UTFFKK	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12	NA	20	18	16	24	NA	13
WCH2YH	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
WFU7AH	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WJHBB3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
WNN8V3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNXUPH	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
X8XQZ6	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
XNPG4D	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XV4ENQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XXTGVZ	Yfiler™								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
Y6NZBZ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
YJR6Z2	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
YMRV2	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		
							24		13
YPW396	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
YWF7F9	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
Z4AXZL	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
2	14	11	10	19		16	15		23
		12	12	20	18		24	10	13

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

ZVXJHQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
2	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
7WQJ3H	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
89YLYY	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
JJJUN4	PowerPlex® Y 23								
	38	15	11,15	13	29	24	11	11	13
3	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
UP8E2T	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
X8XQZ6	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
YPW396	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3e - YSTR Results									
2696H7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
27VAX	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
28MXWD	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
2QZF7X	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
2UYVEK	PowerPlex® Y 23								
3e									
3NTFNW	PowerPlex® Y 23								
	NA	NA	NA	NA	NA	NA	NA	NA	NA
3e	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
3TXH7H	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
3WVFHD	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12	NT	20	18	16	24	NT	13
4A6UJU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
4XHJDC	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
66PLP3	PowerPlex® Y 23								
3e									
6AJHEU	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13

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 3e - YSTR Results

6GJ649	PowerPlex® Y 23								
3e	[REDACTED]								
6V7769	Yfiler™ Plus								
3e	[REDACTED]								
6ZXE8U	Yfiler™								
3e	14	11	10	19	16	15	24	11	13
								24	13
7C4UNJ	Yfiler™ Plus								
3e	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7F46KJ	Yfiler™ Plus								
3e	38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7GE3TU	Yfiler™ Plus								
3e	38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8D94V7	Yfiler™ Plus								
3e	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8HE999	Yfiler™ Plus								
3e	38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8KZXH9	Yfiler™								
3e		15	11,15	13	29	24	11	11	13
	14	11	10	19		16	15		
							24		13
8NQLND	Yfiler™ Plus								
3e	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8P7QC4	Yfiler™								
3e	N/A	15	11,15	13	29	24	11	11	13
	14	11	10	19	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	13
9UVG8D	Yfiler™ Plus								
3e	38,38	15	11,15	13	29	24	11	11	13
	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3e - YSTR Results									
A2QYZV	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
A8H9AT	PowerPlex® Y 23								
	--	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	--	16	15	--	23
	--	12	12	20	18	--	24	10	13
A9TBT7	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
ABUCVP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
ACC8JH	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
ANJBPC	PowerPlex® Y 23								
		NT	NT	NT	NT	NT	NT	NT	NT
3e	NT	NT	NT	NT		NT	NT		NT
		NT	NT	NT	NT		NT	NT	NT
BC7BNC	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
BXPE9F	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
C3V93C	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
C7WELN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
CGV8TU	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
CX7TFQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
D8PPRB	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DD2GK3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DHJZ6N	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DVW7D6	PowerPlex® Y 23								
3e									
DVYQAL	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E2ETPM	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E773VE	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
EGQAU4	PowerPlex® Y 23								
3e									
EJE7YN	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
EQZUZK	PowerPlex® Y 23								
3e									
F6VT9Y	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
FK4Q6J	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3e - YSTR Results									
FZEB4B	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
GLDZTB	Yfiler™ Plus								
3e									
GVFFGU	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
H9KYP9	PowerPlex® Y 23								
3e									
HNB4X3	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
J9GVFU	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JE7DT7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JRE6NR	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
JTM7JX	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
L3KPCC	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
L43Q8R	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
LCCZQD	PowerPlex® Y 23								
3e									

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 3e - YSTR Results									
LDHRCZ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LH2H34	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LHX9WP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
LLWJRP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
MUQ4JJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NBFE7Q	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NMP4P9	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NVZAJQ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
PJGB69	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
PW4KPT	PowerPlex® Y 23								
3e									
Q39RUN	Yfiler™								
	NA	NA	NA	NA	NA	NA	NA	NA	NA
3e	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3RKP7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3e - YSTR Results									
QDQBEK	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		13
							24		
QK8XXN	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		13
							24		
QTHZJP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		13
							24		
R3LPH6	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RC72QC	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RLG3CC	Yfiler™ Plus								
3e									
RNQ9T8	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
THCYWV	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
TLTE99	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
TRC2YN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
U3UNLD	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		13
							24		
U6JRG7	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		13
							24		

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 3e - YSTR Results									
UACW9N	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
UGZGFB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
UTFFKK	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12	NA	20	18	16	24	NA	13
WFU7AH	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WJHBB3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNN8V3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNXUPH	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XNPG4D	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XV4ENQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XXTGVZ	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		
							24		13
Y6NZBZ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
YJR6Z2	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		23
		12	12	20	18		24	10	13

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 3e - YSTR Results

YMRV2	Yfiler™								
		15	11,15	13	29	24	11	11	13
3e	14	11	10	19		16	15		13
							24		13
YWF7F9	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
Z4AXZL	PowerPlex® Y 23								
3e									
ZVXJHQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3e	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3sp - YSTR Results									
2696H7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
27VAX	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
28MXWD	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
2QZF7X	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
							24		13
2UYVEK	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
3NTFNW	PowerPlex® Y 23								
	NA	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	NA	16	15	NA	23
	NA	12	12	20	18	NA	24	10	13
3TXH7H	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
3WVFHD	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12	NT	20	18	16	24	NT	13
4A6UJU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
4XHJDC	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
							24		13
66PLP3	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
6AJHEU	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
							24		13

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 3sp - YSTR Results									
6GJ649	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
6V7769	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
6ZXEU	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
7C4UNJ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7F46KJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7GE3TU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8D94V7	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8HE999	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8KZXH9	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
8NQLND	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8P7QC4	Yfiler™								
	N/A	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	13
9UVG8D	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3sp - YSTR Results									
A2QYZV	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
A8H9AT	PowerPlex® Y 23								
	--	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	--	16	15	--	23
	--	12	12	20	18	--	24	10	13
A9TBT7	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
ABUCVP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
ACC8JH	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
ANJBPC	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
BC7BNC	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
BXPE9F	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
C3V93C	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
C7WELN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
CGV8TU	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
CX7TFQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3sp - YSTR Results									
D8PPRB	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DD2GK3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DHJZ6N	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DVW7D6	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
DVYQAL	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E2ETPM	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E773VE	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
EGQAU4	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
EJE7YN	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		13
							24		13
EQZUZK	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
F6VT9Y	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		13
							24		13
FK4Q6J	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3sp - YSTR Results									
FZEB4B	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
GLDZTB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
GVFFGU	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
H9KYP9	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
HNB4X3	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
J9GVFU	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JE7DT7	Yfiler™ Plus								
	38	15	15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JRE6NR	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
JTM7JX	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
L3KPCC	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
L43Q8R	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
LCCZQD	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13

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 3sp - YSTR Results									
LDHRCZ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LH2H34	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LHX9WP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
LLWJRP	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
MUQ4JJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NBFE7Q	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NMP4P9	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NVZAJQ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
PJGB69	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
PW4KPT	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
Q39RUN	Yfiler™								
	NA	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	24	NA	13
Q3RKP7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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 3sp - YSTR Results

QDQBEK	Yfiler™								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15	24	13
QK8XXN	Yfiler™								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15	24	13
QTHZJP	Yfiler™								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15	24	13
R3LPH6	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
RC72QC	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
RLG3CC	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
RNQ9T8	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
THCYWV	Yfiler™ Plus								
		15	11,15	13	29	24	11	22	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
TLTE99	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
TRC2YN	Yfiler™ Plus								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	11
	42	12		20	18	16	24		13
U3UNLD	Yfiler™								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15	24	13
U6JRG7	Yfiler™								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15	24	13

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 3sp - YSTR Results									
UACW9N	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
UGZGFB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
UTFFKK	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12	NA	20	18	16	24	NA	13
WFU7AH	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WJHBB3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNN8V3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNXUPH	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XNPG4D	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XV4ENQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XXTGVZ	Yfiler™								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		
							24		13
Y6NZBZ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
3sp	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
YJR6Z2	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
3sp	14	11	10	19		16	15		23
		12	12	20	18		24	10	13

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 3sp - YSTR Results

YMRV2	Yfiler™								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15		13
							24		13
YWF7F9	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	23
	42	12		20	18	16	24		13
Z4AXZL	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	16	15		23
		12	12	20	18		24	10	13
ZVXJHQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
	3sp	14	11	10	19	33	16	15	23
	42	12		20	18	16	24		13

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									
2696H7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
27VAX	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
28MXWD	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
2QZF7X	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
							24		13
2UYVEK	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
3NTFNW	PowerPlex® Y 23								
	NA	15	11,15	13	29	24	11	11	13
4	14	11	10	19	NA	16	15	NA	23
	NA	12	12	20	18	NA	24	10	13
3TXH7H	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
3WVFHD	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12	NT	20	18	16	24	NT	13
4A6UJU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
4XHJDC	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
							24		13
66PLP3	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
6AJHEU	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
							24		13

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									
6V7769	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
6ZXE8U	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
7F46KJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7GE3TU	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
7WQJ3H	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
89YLYY	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
8D94V7	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8HE999	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8KZXH9	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
8NQLND	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
8P7QC4	Yfiler™								
	N/A	15	11,15	13	29	24	11	11	13
4	14	11	10	19	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	13
9UVG8D	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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

A2QYZV	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
A8H9AT	PowerPlex® Y 23								
	--	15	11,15	13	29	24	11	11	13
4	14	11	10	19	--	16	15	--	23
	--	12	12	20	18	--	24	10	13
A9TBT7	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
ABUCVP	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
ACC8JH	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
BC7BNC	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
BXPE9F	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
C3V93C	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
C7WELN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
CGV8TU	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
CX7TFQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
D8PPRB	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
DD2GK3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DHJZ6N	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
DVW7D6	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
DVYQAL	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E2ETPM	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
E773VE	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
EJE7YN	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
F6VT9Y	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
FK4Q6J	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
FQQJEX	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
FZEB4B	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
GLDZTB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
GVFFGU	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13
H9KYP9	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
HNB4X3	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
J9GVFU	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JE7DT7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
JRE6NR	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13
JTM7JX	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13
L3KPCC	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
4	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
L43Q8R	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13
LDHRCZ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LH2H34	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
LHX9WP	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13

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									
LLWJRP	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13
LYM68T	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
MUQ4JJ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NBFE7Q	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NMP4P9	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
NVZAJQ	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
PJGB69	Yfiler™								
	-	15	11,15	13	29	24	11	11	13
4	14	11	10	19	-	16	15	-	-
	-	-	-	-	-	-	24	-	13
PW4KPT	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
Q39RUN	Yfiler™								
	NA	15	11,15	13	29	24	11	11	13
4	14	11	10	19	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	24	NA	13
Q3RKP7	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
QDQBK	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13
QK8XXN	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		13

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									
QTHZJP	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		
R3LPH6	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RC72QC	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RLG3CC	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
RNQ9T8	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
THCYWV	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
TLTE99	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
TRC2YN	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
U3UNLD	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		
U6JRG7	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		13
							24		
UACW9N	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
UGZGFB	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
UP8E2T	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
UTFFKK	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12	NA	20	18	16	24	NA	13
WCH2YH	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
WFU7AH	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WJHBB3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNN8V3	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
WNXUPH	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
X8XQZ6	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
XNPG4D	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XV4ENQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
XTGVZ	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
Y6NZBZ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

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									
YJR6Z2	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
YMRFV2	Yfiler™								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		
							24		13
YPW396	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
YWF7F9	Yfiler™ Plus								
	38,38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13
Z4AXZL	PowerPlex® Y 23								
		15	11,15	13	29	24	11	11	13
4	14	11	10	19		16	15		23
		12	12	20	18		24	10	13
ZVXJHQ	Yfiler™ Plus								
	38	15	11,15	13	29	24	11	11	13
4	14	11	10	19	33	16	15	11	23
	42	12		20	18	16	24		13

Additional DNA Results

TABLE 3

Additional DNA results found to be concordant at a pre-existing locus are retained solely within the applicable tables. Non-concordant results and results for loci not found elsewhere will remain in this table.

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
AMEL	FPPF6F					X,X			
CSF1PO	FPPF6F					12,13			
D10S1248	FPPF6F					12,14			
D12S391	FPPF6F					15,23			
D13S317	FPPF6F					8,11			
D16S539	FPPF6F					11,12			
D18S51	FPPF6F					14,21			
D19S433	FPPF6F					14,15			
D1S1656	FPPF6F					17.3,18			
D21S11	FPPF6F					29,32.2			
D22S1045	FPPF6F					11,16			
D2S1338	FPPF6F					17,24			
D2S441	FPPF6F					10,10			
D3S1358	FPPF6F					15,16			
D5S818	FPPF6F					12,12			
D7S820	FPPF6F					8,11			
D8S1179	FPPF6F					11,14			
DYS391	FPPF6F					ND			
FGA	FPPF6F					20,22			
PENTA D	FPPF6F					9,14			
PENTA E	FPPF6F					12,13			
TH01	FPPF6F					7,7			
TPOX	FPPF6F					8,8			
VWA	FPPF6F					14,15			

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
2696H7	Yes	Yes	Yes	Yes	4MCM6E	Yes	Yes	Yes	Yes
27VWAX	Yes	Yes	Yes	Yes	4PH9WL	Yes	Yes	Yes	Yes
28MXWD	Yes	Yes	Yes	Yes	4XHJDC	Yes	Yes	Yes	Yes
2E68KA	Yes	Yes	Yes	Yes	4YMBZX	Yes	Yes	Yes	Yes
2ENATA	Yes	Yes	Yes	Yes	6666AZ	Yes	Yes	Yes	Yes
2QZF7X	Yes	Yes	Yes	Yes	66PLP3	Yes	Yes	Yes	Yes
2T68VP	Yes	Yes	Yes	Yes	67L34K	Yes	Yes	Yes	Yes
2U3CXD	Yes	Yes	Yes	Yes	6AJHEU	Yes	Yes	Yes	Yes
2UYVEK	Yes	Yes	Yes	Yes	6EF8V2	Yes	Yes	Yes	Yes
2W79X8	Yes	Yes	Yes	Yes	6GJ649	Yes	Yes	Yes	Yes
2Z4UPB	Yes	Yes	Yes	Yes	6HCWDT	Yes	Yes	Yes	Yes
34JKTK	Yes	Yes	Yes	Yes	6NKECL	Yes	Yes	Yes	Yes
3EK8HV	Yes	Yes	Yes	Yes	6NNR7A	Yes	Yes	Yes	Yes
3NTFNW	Yes	Yes	Yes	Yes	6V7769	Yes	Yes	Yes	Yes
3TXH7H	Yes	Yes	Yes	Yes	6ZXE8U	Yes	Yes	Yes	Yes
3WVFHD	Yes	Yes	Yes	Yes	7C4UNJ	Yes	Yes	Yes	Yes
3XTC4K	Yes	Yes	Yes	Yes	7DEWC4	Yes	Yes	Yes	Yes
46TRQ7	Yes	Yes	Yes	Yes	7F46KJ	Yes	Yes	Yes	Yes
4A6UJU	Yes	Yes	Yes	Yes	7GE3TU	Yes	Yes	Yes	Yes
4CBGTR	Yes	Yes	Yes	Yes	7WQJ3H	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
89YLYY	Yes	Yes	Yes	Yes	ANJBPC	Yes	Yes	Yes	Yes
8D94V7	Yes	Yes	Yes	Yes	B3GPHE	Yes	Yes	Yes	Yes
8ELCJA	Yes	Yes	Yes	Yes	BC7BNC	Yes	Yes	Yes	Yes
8HE999	Yes	Yes	Yes	Yes	BN2JBL	Yes	Yes	Yes	Yes
8KZXH9	Yes	Yes	Yes	Yes	BXPE9F	Yes	Yes	Yes	Yes
8NQLND	Yes	Yes	Yes	Yes	C3V93C	Yes	Yes	Yes	Yes
8P7QC4	Yes	Yes	Yes	Yes	C47DEE	Yes	Yes	Yes	Yes
8ZKYNA	Yes	Yes	Yes	Yes	C49ZXE	Yes	Yes	Yes	Yes
97PXWE	Yes	Yes	Yes	Yes	C7WELN	Yes	Yes	Yes	Yes
99Y3CN	Yes	Yes	Yes	Yes	CGV8TU	Yes	Yes	Yes	Yes
9CEFDB	Yes	Yes	Yes	Yes	CVD376	Yes	Yes	Yes	Yes
9KABEF	Yes	Yes	Yes	Yes	CX7TFQ	Yes	Yes	Yes	Yes
9RLRKV	Yes	Yes	Yes	Yes	D4NE6N	Yes	Yes	Yes	Yes
9UVG8D	Yes	Yes	Yes	Yes	D8PPRB	Yes	Yes	Yes	Yes
A2QYZV	Yes	Yes	Yes	Yes	DD2GK3	Yes	Yes	Yes	Yes
A8H9AT	Yes	Yes	Yes	Yes	DHJZ6N	Yes	Yes	Yes	Yes
A9TBT7	Yes	Yes	Yes	Yes	DRCD33	Yes	Yes	Yes	Yes
ABUCVP	Yes	Yes	Yes	Yes	DVW7D6	Yes	Yes	Yes	Yes
ACC8JH	Yes	Yes	Yes	Yes	DVYQAL	Yes	Yes	Yes	Yes
AFAMBD	Yes	Yes	Yes	Yes	E2ETPM	Yes	Yes	Yes	Yes
AHJMH7	Yes	Yes	Yes	Yes	E2U7CX	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
E773VE	Yes	Yes	Yes	Yes	HAEM94	Yes	Yes	Yes	Yes
ED9C6R	Yes	Yes	Yes	Yes	HL7DT9	Yes	Yes	Yes	Yes
EGQAU4	Yes	Yes	Yes	Yes	HNB4X3	No Interp	No Interp	No Interp	No Interp
EJE7YN	Yes	Yes	Yes	Yes	HU2E8Z	Yes	Yes	Yes	Yes
EQA4NB	Yes	Yes	Yes	Yes	J3CX7Q	Yes	Yes	Yes	Yes
EQZUZK	Yes	Yes	Yes	Yes	J9GVFU	Yes	Yes	Yes	Yes
EZL3F2	Yes	Yes	Yes	Yes	JE7DT7	Yes	Yes	Yes	Yes
F3NFJK	Yes	Yes	Yes	Yes	JEMBL7	Yes	Yes	Yes	Yes
F6VT9Y	Yes	Yes	Yes	Yes	JJJUN4	Yes	Yes	Yes	Yes
FK4Q6J	Yes	Yes	Yes	Yes	JRE6NR	Yes	Yes	Yes	Yes
FPPF6F	Yes	Yes	Yes	Yes	JTM7JX	Yes	Yes	Yes	Yes
FPYK3K	Yes	Yes	Yes	Yes	K8M8WY	Yes	Yes	Yes	Yes
FQQJEX	Yes	Yes	Yes	Yes	KKN4VR	Yes	Yes	Yes	Yes
FZEB4B	Yes	Yes	Yes	Yes	KRQ9MB	Yes	Yes	Yes	Yes
G9LCXB	Yes	Yes	Yes	Yes	KUY7GR	Yes	Yes	Yes	Yes
GHEPWB	Yes	Yes	Yes	Yes	KVT3TT	Yes	Yes	Yes	Yes
GLDZTB	Yes	Yes	Yes	Yes	L3KPCC	Yes	Yes	Yes	Yes
GU7C8C	Yes	Yes	Yes	Yes	L43Q8R	Yes	Yes	Yes	Yes
GVFFGU	Yes	Yes	Yes	Yes	L6B7AQ	Yes	Yes	Yes	Yes
H2LABP	Yes	Yes	Yes	Yes	L7MPCA	Yes	Yes	Yes	Yes
H9KYP9	Yes	Yes	Yes	Yes	LCCZQD	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
LDHRCZ	Yes	Yes	Yes	Yes	PW4KPT	Yes	Yes	Yes	Yes
LH2H34	Yes	Yes	Yes	Yes	Q39RUN	Yes	Yes	Yes	Yes
LHX9WP	Yes	Yes	Yes	Yes	Q3RKP7	Yes	Yes	Yes	Yes
LJDECF	Yes	Yes	Yes	Yes	QCCVXX	Yes	Yes	Yes	Yes
LKKV4J	Yes	Yes	Yes	Yes	QCX8VL	Yes	Yes	Yes	Yes
LLWJRP	Yes	Yes	Yes	Yes	QDQBK	Yes	Yes	Yes	Yes
LYM68T	Yes	Yes	Yes	Yes	QK8XXN	Yes	Yes	Yes	Yes
MA2G33	Yes	Yes	Yes	Yes	QTHZJP	Yes	Yes	Yes	Yes
MBF2TQ	Yes	Yes	Yes	Yes	QZK3QB	Yes	Yes	Yes	Yes
MPTGU2	Yes	Yes	Yes	Yes	R3LPH6	Yes	Yes	Yes	Yes
MUQ4JJ	Yes	Yes	Yes	Yes	R9R79T	Yes	Yes	Yes	Yes
N6KUNN	Yes	Yes	Yes	Yes	RC72QC	Yes	Yes	Yes	Yes
NA2YHC	Yes	Yes	Yes	Yes	RHHM24	Yes	Yes	Yes	Yes
NBFE7Q	Yes	Yes	Yes	Yes	RLG3CC	Yes	Yes	Yes	Yes
ND2BDC	Yes	Yes	Yes	Yes	RNQ9T8	Yes	Yes	Yes	Yes
NMP4P9	Yes	Yes	Yes	Yes	RRMYTR	Yes	Yes	Yes	Yes
NPR9W2	Yes	Yes	Yes	Yes	T3YLGH	Yes	Yes	Yes	Yes
NVZAJQ	Yes	Yes	Yes	Yes	THCYWV	Yes	Yes	Yes	Yes
PDCCUJ	Yes	Yes	Yes	Yes	TLC3Q3	Yes	Yes	Yes	Yes
PJGB69	Yes	Yes	Yes	Yes	TLTE99	No Interp	No Interp	Yes	Yes
PMEYJV	Yes	Yes	Yes	Yes	TM8LT4	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
TRC2YN	Yes	Yes	Yes	Yes	X6UNJF	Yes	Yes	Yes	Yes
TRG7CV	Yes	Yes	Yes	Yes	X8XQZ6	Yes	Yes	Yes	Yes
U3UNLD	Yes	Yes	Yes	Yes	X9CXLL	Yes	Yes	Yes	Yes
U6JRG7	Yes	Yes	Yes	Yes	XD6UDX	Yes	Yes	Yes	Yes
UACW9N	Yes	Yes	Yes	Yes	XEHM8Z	Yes	Yes	Yes	Yes
UE8Q7P	Yes	Yes	Yes	Yes	XKQ4MF	Yes	Yes	Yes	Yes
UGZGFB	Yes	Yes	Yes	Yes	XNPG4D	Yes	Yes	Yes	Yes
UKDJZL	Yes	Yes	Yes	Yes	XV4ENQ	Yes	Yes	Yes	Yes
UP8E2T	Yes	Yes	Yes	Yes	XXTGVZ	Yes	Yes	Yes	Yes
UTFFKK	Yes	Yes	Yes	Yes	Y2A6TH	Yes	Yes	Yes	Yes
UU43FE	Yes	Yes	Yes	Yes	Y6ACCU	Yes	Yes	Yes	Yes
V89LRE	Yes	Yes	Yes	Yes	Y6NZBZ	Yes	Yes	Yes	Yes
WCH2YH	Yes	Yes	Yes	Yes	YCAVDP	Yes	Yes	Yes	Yes
WEHA6D	Yes	Yes	Yes	Yes	YD4MJ6	Yes	Yes	Yes	Yes
WFU7AH	Yes	Yes	Yes	Yes	YJR6Z2	Yes	Yes	Yes	Yes
WJHBB3	Yes	Yes	Yes	Yes	YM4CYK	Yes	Yes	Yes	Yes
WNN8V3	Yes	Yes	Yes	Yes	YMRV2	Yes	Yes	Yes	Yes
WNXUPH	Yes	Yes	Yes	Yes	YPW396	Yes	Yes	Yes	Yes
WUDQUC	Yes	Yes	Yes	Yes	YWF7F9	Yes	Yes	Yes	Yes
WXD3QB	Yes	Yes	Yes	Yes	Z4AXZL	Yes	Yes	Yes	Yes
X3MDKQ	Yes	Yes	Yes	Yes	ZFNTJR	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
ZLRW6J	Yes	Yes	Yes	Yes					
ZVXJHQ	Yes	Yes	Yes	Yes					
ZWADXQ	Yes	Yes	Yes	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 211		
<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	209	209	210	210
	No	0	0	0	0
	Inc	0	0	0	0
	No Interpretation	2	2	1	1
	No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 0

Additional Comments

TABLE 5

WebCode	Additional Comments
2696H7	NR = no results
28MXWD	NR= No results. Item 1 was not analyzed for Y-STRs (Yfiler Plus).
2QZF7X	Extraction: Item 1 and Item 2 extracted using chelex extraction method, Item 3 extracted using chelex differential extraction method and Item 4 extracted using DNA IQ via Tecan Freedom Evo. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler for Item 1, Item 2, Item 3 and Item 4 and Y-Filer for Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout the analysis and all gave the intended results. NM: non-male profile.
2Z4UPB	Differential separation was performed on Item 4. The sperm fraction was stopped at quant for insufficient DNA.
3TXH7H	NR = No results. Y-STR analysis was not performed on item 1 (female victim known).
3WVFHD	NT = not tested. NR = no results.
4CBGTR	Elevated stutter observed in epg for Item 4 at D21S11 locus
4XHJDC	[]- indicates minor allele/s and alleles between analytical and stochastic thresholds
6AJHEU	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 was extracted using chelex differential extraction method. Item 4 was extracted using using Promega DNA IQ purification kit via Tecan Freedom EVO 150 HID Evolution Platform. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler was carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500xL for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM- Non Male profile.
6NKECL	1. The DNA detected in sample 76815 (Sperm fraction Item 3) is consistent with originating from a male source. The DNA detected in this sample matches the DNA profile obtained from the Suspect. Excluding an identical twin, the Suspect is the source of the DNA detected in this sample. The Victim is excluded as a source of the DNA detected in this sample. 2. The DNA detected in sample 76816 (e. cell fraction Item 3) is consistent with a mixture originating from the Suspect and the Victim. 3. The DNA detected in sample 76831 (Item 4) is consistent with a mixture originating from at least two individuals, at least one of whom is male. Under the scenario that this DNA mixture originates from the Victim and the Suspect, it is 2.333 Septillion times more likely to occur than if it originates from the Suspect and one random unrelated individual in the Caucasian population, 846.7 Septillion times more likely to occur than if it originates from the Suspect and one random unrelated individual in the African American population and 1.558 Septillion times more likely to occur than if it originates from the Suspect and one random unrelated individual in the Hispanic population. 4. A DNA profile originating from a female source was obtained from sample 76843 (Victim – Item 1). 5. A DNA profile originating from a male source was obtained from sample 76844 (Suspect – Item 2).

TABLE 5

WebCode	Additional Comments
6NNR7A	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
7GE3TU	NR = no results. The data reported is from GeneMapper ID-X. STRmix analysis was conducted on this test.
8KZXH9	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
8NQLND	Item 1 not analyzed for Y-STRs: Female Known. NR=No Results.
8P7QC4	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. N/A - indicates not applicable.
9UVG8D	NR = No Results
A8H9AT	Item-3 is a DNA mixture. Both the Victim (Item-1) and the Suspect (Item-2) are contributors to the questioned stain. Differential extraction performed; PPF/Y23 DNA profiles are of a single male contributor and they match the Suspect (Item-2). Item-3 is a DNA mixture. Both the Victim (Item-1) and the Suspect (Item-2) are contributors to the questioned stain.
ABUCVP	Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on Applied Biosystems 7500 Real-Time PCR Systems. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on Applied Biosystems GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were also amplified using AmpFLSTR Yfiler PCR Amplification Kit on Applied Biosystems GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on Applied Biosystems 3500XL Genetic Analyzer and the data were analyzed with GeneMapper ID-X v1.5 software. Quality control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results.
AHJMH7	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
ANJBPC	ND=Not Detected. NT=Not Tested.
C7WELN	NR=No Results. STRmix analysis was conducted on Item 3e and Item 4. Data for all reported items was generated with GeneMapper ID-X.
CX7TFQ	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. NR = no results.
DD2GK3	NR = no results
DHJZ6N	NR = no results. STRmix analysis was conducted in items 3e and 4. Data reported out is from analysis using GeneMapper ID-X.
E2ETPM	NR = No Results. The data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.
EQA4NB	[] = lighter intensity allele. NR= no DNA results.
F6VT9Y	[]-indicates minor allele/s and alleles between analytical and stochastic thresholds.
FK4Q6J	NR = No Result. STRmix analysis conducted on this test. Data analyzed with GeneMapper ID-X.

TABLE 5

WebCode	Additional Comments
FPPF6F	Item 3A: Sample from Underwear. Fraction: Non-Sperm: Number of Contributors: 2; Assumed Contributor: Victim; Deduced Male: 23 STR loci. Fraction: Sperm: Number of Contributors: 1; Male: 23 STR loci.
FZEB4B	NR= No results
HL7DT9	Item 3 F1- mix of 2- consistent with victim and carryover of male from F2(Suspect can't be excluded)- Assumed Victim and interpreted profile for male contributor. Item 3 F2 (Single source male)- FGA observed elevated N+1 stutter (inc-25). Item 4 - mix of 2 contributors. ND= Not detected, NT= Not Tested.
HNB4X3	DNA analysis was performed for technician competency, therefore, no interpretations were made. Item 1 was not analyzed with Y-Filer Plus because it is a female known. NR = No results.
J9GVFU	Item 1 was not amp'd with YFiler™ Plus because it is a female known.
JRE6NR	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
K8M8WY	ND = Not Detected. NT = Not Tested.
KRQ9MB	ND = not determined. Male profile (consistent with suspect) from 3A sperm fraction assumed out of 3A non-sperm fraction.
KVT3TT	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
L3KPC	Extraction: Item 1 and Item 2 were extracted using chelex method. Item3 were extracted using differential extraction chelex method. Item 4 were extracted using Promega DNA IQ kit on Tecan Freedom EVO 150. Quantitation: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio Kit via QuantStudio5. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using Globalfiler Kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Globalfiler PCR products of Item 1, Item 2, Item 3 and Item 4 were carried out using Genetic Analyzer 3500xl. Electrophoresis for YFiler PCR products of Item 2, Item 3 and Item 4 were carried out using Genetic Analyzer 3500xl. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM- Non-male profile.
L43Q8R	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
L6B7AQ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
LDHRCZ	NR = No Results obtained
LHX9WP	[] - indicates minor alleles between analytical and stochastic thresholds.
LLWJRP	[] - Indicates minor allele/s and alleles between analytical and stochastic thresholds

TABLE 5

WebCode	Additional Comments
MUQ4JJ	Results for Item 3: For Item 3, the presence of blood and semen was detected. Two persons mixture. Victim and suspect are contributors in the mixture. Results for Item 4: For Item 4, the presence of blood was detected. Two persons mixture. Victim and suspect are contributors in the mixture. Statistical analysis for Item 3 and 4: Conclusion: The DNA findings are at least $LR=3,64 \times 10^{35}$ more probable if hypothesis H_p is true, which says the victim and suspect are the donors of DNA to the sample 3 and 4, compared to its alternative described by hypothesis H_d , which says that two different, unknown, unrelated persons from population are the donors of DNA to the sample 3 and 4.
NPR9W2	Combination N+1/N-1 stutter at D21 (3AF1 and 4A) - called as 30 allele
PJGB69	Extraction: Item 1 and Item 2 were extracted using chelex method. Item3 were extracted using differential extraction chelex method. Item 4 were extracted using Promega DNA IQ kit on Tecan Freedom EVO 150. Quantitation: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio Kit via QuantStudio5. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using Globalfiler Kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Globalfiler PCR products of Item 1, Item 2, Item 3 and Item 4 were carried out using Genetic Analyzer 3500xl. Electrophoresis for YFiler PCR products of Item 2, Item 3 and Item 4 were carried out using Genetic Analyzer 3500xl. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM- Non-male profile.
Q39RUN	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. NA - Not applicable. item #3 - for Yfiler, only sperm fraction results reported based on the item's GlobalFiler results.
QCCVXX	ND = not detected
QDQBK	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
QK8XXN	Y-STR analysis was not performed on item 1 because no male DNA was detected using Quantifiler Trio.
RC72QC	DNA STR CONCLUSIONS. 1. DNA STR Profile was obtained for the Female Victim reference sample (Item 1). 2. DNA STR Profile was obtained for the Male Suspect reference sample (Item 2). 3. The differential extraction of the stain from the victim's underwear (Item 3) was performed, and from the sperm fraction the DNA STR profile of a male was obtained, this DNA STR profile obtained was compared against the reference profile of the suspect. The comparison of STR profiles were performed using the DNView software (I) using the [Country Specific] population data from [Country Specific Region] (II). Finding that it is 224 nonillion (2.24×10^{32}) times more likely that the genetic profile of the male comes from the suspect than another individual not related from the population, given the analyzed genetic profiles. 4. A mixed DNA STR profile was obtained from the blanket's blood stain (Item 4), this DNA STR profile obtained was compared against the female victim and the male suspect's reference profile. The comparison of STR profiles was performed using the DNView software (I) using the [Country Specific] population data from [Country Specific Region] (II). Finding that it is 3.38 septillions (3.38×10^{24}) times more likely that the genetic profile comes from the suspect and the victim, than the suspect and another female individual not related from the population, given the analyzed genetic profiles. Y-STR CONCLUSIONS. 1. Y-STR Profile was obtained for the Male Suspect reference sample (Item 2). 2. The same Y-STR profile was obtained from both the sperm fraction of victim's underwear stain (Item 3) and the blanket's blood stain (Item 4), this Y-STR profile obtained was compared against the reference Y-STR profile of the suspect. The comparison of Y-STR profiles was performed on the YHRD.org (R67) web page (III), using the kappa method and worldwide database. Finding that it is 879,206 times more likely to observe the match if the stains come from the suspect, than if it comes from another unrelated male in the population. REFERENCES: I. Brenner, C. H., DNA VIEW v37.11, 2015-10-17. II. [Country Specific Reference]. III. Willuweit S, Roewer L. The new Y Chromosome Haplotype Reference Database. Forensic Sci Int Genet. 2015 Mar;15:43-8. doi: 10.1016/j.fsigen.2014.11.024. Epub 2014 Dec 3. PMID: 25529991. https://yhrd.org/search/search

TABLE 5

WebCode	Additional Comments
RLG3CC	<p>1. Base on the DNA profile obtained from the male fraction of sample item 3 (C109/22) analyzed and given that sample item 1 (C094/22) is the female victim and sample item 2 (C095/22) is the male suspect, sample item 2 is included as donor to sample item 3 (C109/22) male fraction. The inclusion is supported at the following loci between sample item 2 (C095/22) and sample item 3 (C109/22): D3S1358, vWA, D16S539, CSF1PO, TPOX, D8S1179, D21S11, D18S51, DYS391, D2S441, D19S433, TH01, FGA, D22S1045, D5S818, D13S317, D7S820, SE33, D10S1248, D1S1656, D12S391 and D2S1338. After statistical analysis, a likelihood ratio (LR) of $2.24027 \times 10E+32$ was observed, supporting the hypothesis that the sample was provided by the suspect rather than another person in the study population.</p> <p>2. Base on the DNA mix profile obtained from the analyzed sample item 4 (C069/22) and given that sample item 1 (C094/22) is the female victim and sample item 2 (C095/22) is the male suspect, sample item 1 and sample item 2 are included as donors to sample item 4 (C096/22). The inclusion is supported at the following loci between samples item 1 (C094/22), item 2 (C095/22) and sample item 4 (C096/22): D3S1358, vWA, D16S539, CSF1PO, TPOX, D8S1179, D21S11, D18S51, DYS391, D2S441, D19S433, TH01, FGA, D22S1045, D5S818, D13S317, D7S820, SE33, D10S1248, D1S1656, D12S391 and D2S1338. After statistical analysis, a likelihood ratio (LR) of $2.86 \times 10E+24$ was observed, supporting the hypothesis that the mixture was provided by both the victim and the suspect rather than another person in the study population.</p>
TLTE99	Only items with male DNA ran for YFP. Female victim not run at all.
U6JRG7	<p>1. Extraction: Chelex extraction method was used to extract DNA from Item 1, Item 2, Item 3 and Item 4.</p> <p>2. Quantification: DNA quantification was carried out on Item 1, Item 2, Item 3 and Item 4 using Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction 7500 system.</p> <p>3. Amplification: Amplification of STR (Short Tandem repeat) Genetic Loci was carried out on Item 1, Item 2, Item 3 and Item 4 using the AmpFLSTR Identifiler Plus PCR Amplification Kit on the 9700 GeneAmp PCR system. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2, Item 3 and Item 4 using the AmpFLSTR Y-Filer PCR Amplification Kit on the 9700 GeneAmp PCR system.</p> <p>4. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500xl Genetic Analyzer with GeneMapper ID-X software for Item 1, Item 2, Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-STR was carried out using Applied Biosystem 3500xl Genetic Analyzer with GeneMapper ID-X software for Item 2, Item 3 and Item 4.</p> <p>5. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results.</p>
UTFFKK	NA = not applicable. NR = no results.
X3MDKQ	ND = Not detected
X6UNJF	<p>The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Elevated stutter was observed at SE33 for sample Item 3e.</p>
X8XQZ6	<p>Item 1: mRMP = $2.9E+31$. Item 2: mRMP = $1.9E+32$. Item 3: LR: Item 1 + 1 unkn vs 2 unkn = $1.4E+16$ (LRMixStudio), $1.8E+14$ (LabRetriever), $2.3E+19$ (DNAView), $8.3E+19$ (EFM). LR: Item 2 + 1 unkn vs 2 unkn = $1.1E+14$ (LRMixStudio), $3.6E+12$ (LabRetriever), $4.0E+22$ (DNAView), $8.2E+21$ (EFM). LR: Item 1 + Item 2 vs 2 unkn = $2.3E+37$ (LRMixStudio), $9.4E+31$ (LabRetriever), $3.0E+52$ (DNAView), $1.1E+52$ (EFM). Item 4: LR: Item 1 + 1 unkn vs 2 unkn = $2.6E+16$ (LRMixStudio), $4.4E+14$ (LabRetriever), $3.4E+19$ (DNAView), $1.4E+18$ (EFM). LR: Item 2 + 1 unkn vs 2 unkn = $2.7E+15$ (LRMixStudio), $1.1E+14$ (LabRetriever), $4.9E+19$ (DNAView), $7.3E+18$ (EFM). LR: Item 1 + Item 2 vs 2 unkn = $2.8E+38$ (LRMixStudio), $1.7E+33$ (LabRetriever), $4.0E+51$ (DNAView), $2.2E+50$ (EFM).</p>
X9CXLL	Elevated stutter at D21 for Item 3AF1

TABLE 5

WebCode	Additional Comments
XKQ4MF	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
Y6NZBZ	NR= No results. STRmix analysis was conducted on this test. Data analyzed using GeneMapper ID-X.

-End of Report-
(Appendix may follow)

Test No. 22-5801: DNA-Mixture

DATA MUST BE SUBMITTED BY **March 7, 2022, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: MXNDXR

The Accreditation Release section can be accessed by using the "Continue to Final Submission" button above. This information can be entered at any time prior to submitting to CTS.

Scenario:

A female has reported being sexually assaulted by a male individual she met. The victim told police she met the suspect on a dating app and agreed to meet at the suspect's house for a first date. She recounts drinking alcohol and feeling dizzy afterwards. She doesn't remember anything until she woke up the next morning on the suspect's couch, unclothed with several injuries. The suspect was apprehended by police. The suspect also has multiple injuries on his face and arms. Police are submitting a stain from the underwear the victim was wearing (Item 3) and a stain from the blanket covering the couch the victim reported to have slept on (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (victim's underwear) is positive for blood and semen, and Item 4 (blanket) is positive for blood. Also provided are known standards from the female victim (Item 1) and male suspect (Item 2).

Items Submitted (Sample Pack S1):

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 (pink)

Item 4: Questioned blood stain from blanket (off-white)

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

- Use this section to report 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 in the section 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.

Please note: Any additional formatting applied in the free form space below will not transfer to the Summary Report and may cause your information to be illegible. This includes additional spacing and returns that present your responses in lists and tabular formats.

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or 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 below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

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.

Authorized Contact Person and Title

Laboratory Name

Location (City/State)