



DNA-Mixture Test No. 19-5806

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 171 participants and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>4</u>
<u>Table 1: STR Amplification Kit(s) & Results</u>	<u>5</u>
<u>Table 2: YSTR Amplification Kit(s) & Results</u>	<u>130</u>
<u>Table 3: Additional DNA Results</u>	<u>174</u>
<u>Table 4: DNA Interpretations</u>	<u>175</u>
<u>Table 5: Additional Comments</u>	<u>180</u>
<u>Appendix: Data Sheet</u>	

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1, 2, and 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 4 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. Items 1 (75 μ l) and 3 (50 μ l) were created using blood from the same male donor. Item 2 (75 μ l) was created using blood collected from another male donor, different from the male donor used for Item 1. Item 4 (50 μ l) was a 1:1 mixture that was prepared using blood from the male donor used for Item 1 and semen from the male donor used for Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 15, 2019 following receipt of predistribution results.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	12,15	23,25	10,11	14,16	12,13	*
	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16	2	
2	15.3,16.3	17,19	10,11	14,16	12,12	*
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16	2	
3	12,15	23,25	10,11	14,16	12,13	*
	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16	2	
4-Blood	12,15	23,25	10,11	14,16	12,13	*
	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16	2	
4-Semen	15.3,16.3	17,19	10,11	14,16	12,12	*
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16	2	

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

YSTR Results									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
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
1	38,2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11	11	18	16	21	20	13	12
2	36,36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
	37	12	13	17	16	22	25	10	12
3	38,2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11	11	18	16	21	20	13	12
4-Blood	38,2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11	11	18	16	21	20	13	12
4-Semen	36,36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
	37	12	13	17	16	22	25	10	12

Summary Comments

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

Of the 171 participants that returned results, 157 reported DNA interpretations.

For the Item 3 stain, all participants that reported interpretations included the victim (Item 1) as a possible contributor to Item 3. All participants that reported interpretations excluded the suspect (Item 2) as a possible contributor to Item 3.

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

A total of 10 participants reported allelic results that differed from consensus/predistribution results for one or more items. The majority of these participants reported additional alleles at one or more loci. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

A total of 46 participants reported the use of probabilistic genotyping software. Only a few software brands were reported by participants. However, the genotyping software STRmix was reported most frequently by participants.

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

234KLM	GlobalFiler™						
		12,15	23,25	10,11	14,16	12,13	
	1	11,12	14,15	15,16	19,21	10,11	10,11
		15,18	14,15.2	29,34	15,17	X,Y	11,12
		22,24			19,27.2	7,8	8
		16,17	10			2	
2CNT7A	GlobalFiler™ Express						
		12,15	23,25	10,11	14,16	12,13	
	1	11,12	14,15	15,16	19,21	10,11	10,11
		15,18	14,15.2	29,34	15,17	X,Y	11,12
		22,24			19,27.2	7,8	8
		16,17	10			2	
2DL7PW	GlobalFiler™						
		12,15	23,25	10,11	14,16	12,13	
	1	11,12	14,15	15,16	19,21	10,11	10,11
		15,18	14,15.2	29,34	15,17	X,Y	11,12
		22,24			19,27.2	7,8	8,8
		16,17	10			2	
2N26LD	Identifiler® Plus						
			23,25		14,16	12,13	
	1	11,12	14,15			10,11	10,11
		15,18	14,15.2	29,34		X,Y	11,12
		22,24				7,8	8,8
		16,17					
2PCZY6	GlobalFiler™ (STRmix)						
		12,15	23,25	10,11	14,16	12,13	
	1	11,12	14,15	15,16	19,21	10,11	10,11
		15,18	14,15.2	29,34	15,17	X,Y	11,12
		22,24			19,27.2	7,8	8
		16,17	10			2	
38XUFL	PowerPlex® Fusion 6C						
		12,15	23,25	10,11	14,16	12,13	
	1	11,12	14,15	15,16	19,21	10,11	10,11
		15,18	14,15.2	29,34	15,17	X,Y	11,12
		22,24	2.2,9	13,17	19,27.2	7,8	8,8
		16,17	10	18	16		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3AZQRA	PowerPlex® ESI 16 system					
	12,15	23,25	10,11	14,16		
1		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24				7,8	
	16,17					
3FHE7C	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
3VWKD6	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
3YG8GP	Investigator® 24plex QS					
	12,15	23,25	10,11	14,16	12,13	N/A
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	N/A	N/A	19,27.2	7,8	8,8
	16,17	10	N/A	N/A	N/A	
446AYF	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
4DEWRG	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
4L4HXE	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

4TK6J4	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
4WKEU7	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
69W6TY	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
		16,17	10	18	16	
6BL6FA	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
6JEHB4	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
6K947F	PowerPlex® Fusion					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
		16,17	10			
6P4X4G	ESI-17					
		12,15	23,25	10,11	14,16	
1			14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6P7KJA	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
6RMAFR	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
76V4ZG	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
77RGKN	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
7NQQWF	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
7PKHFR	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
7X2X7F	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			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 1 - STR Results

867DZT	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
86A2H8	GlobalFiler™ Express					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
8KYDL2	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
8TTE7L	Investigator® 24plex QS					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	N/A	N/A	19,27.2	7,8
		16,17	10	N/A	N/A	8,8
						N/A
8UQQP8	PowerPlex® Fusion 6C, GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,[33],34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
8VJFC9	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
8WFQCH	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			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 1 - STR Results

94UY7T	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
97HGE6	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
99QW8	PowerPlex® ESX 16 Fast					
	12,15	23,25	10,11	14,16		
1		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24				7,8	
	16,17					
9B7CNN	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
9BAY73	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
9HDUCG	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
9TCJ4Q	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

9VYZDX	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8
	16,17	10	18	16		
A86L29	GlobalFiler™ Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
AFGP7M	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
AFKAWB	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
AFYUMZ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
AJF23M	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
ARWN44	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

B4LXYN	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
B9U4UU	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
BBJTU2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
BDRPTC	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
BRPT8B	PowerPlex® ESI 17					
	12,15	23,25	10,11	14,16		
1		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
BW4K3A	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
BXVJF9	GlobalFiler™ Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

CFC3NY	GlobalFiler™ Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
CUBUP4	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
CV6KUX	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
CZYLQ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
DCQMRC	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	-
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	-	-	19,27.2	7,8	8
	16,17	10	-	-	2	
DEE2FM	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
DEGNWZ	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

DG2LBJ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
DGM6AX	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
DHVGRZ	GlobalFiler™, GF Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
DQB6L2	PowerPlex® ESI-17 Pro					
	12,15	23,25	10,11	14,16		
1		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
E8TJG6	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ED2PDB	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	-
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	-	-	19,27.2	7,8	8
	16,17	10	-	-	2	
EVJWEZ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	NA
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	NA	NA	19,27.2	7,8	8,8
	16,17	10	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 1 - STR Results

EWP4V	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
EX3ZW6	GlobalFiler™ Express					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
EXMFC8	ESI17					
		12,15	23,25	10,11	14,16	
	1		14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17					
F477C9	PowerPlex® ESI-17 Fast					
		12,15	23,25	10,11	14,16	
	1		14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17					
FNVFFU	GlobalFiler™ Direct					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
FZBAT9	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
G94VJ8	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	NA	NA	19,27.2	7,8
	16,17	10	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 1 - STR Results

GGPCFM	Identifiler® 16,Plus					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
GK8D2U	PowerPlex® Fusion 5C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8,8
	16,17	10				
GNAFMP	GlobalFiler™ (TrueAllele)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
GXVCTW	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
GZP4WF	GlobalFiler™ Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
H8ZNHY	PowerPlex® Fusion (IDX)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10				
H9UMK4	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

HHXMCQ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
HJV2PB	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
HVPHEC	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
HY8NUX	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
J4VHJJ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
J64MXT	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8
	16,17	10	18	16	2	
J68ADL	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

J6NKAT	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
JLQ9CR	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
JVGP8M	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
K226D7	Investigator® 24plex QS					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10				
KH8L7P	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
KJPKG3	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
KQ2LUG	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			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 1 - STR Results

KRCFFH	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
KUZWQQ	GlobalFiler™ casework (Calculo de indice poblacional, hoja de excel interna del laboratorio.)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
L7R6NJ	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
LAEHV2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
LAUYN9	Identifiler® Plus					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8
	16,17					
LDFEKW	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
LFJJRP	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

LGC8EQ	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
LHAKXD	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
LHN89Z	Identifiler® Direct					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8
	16,17					
LLBJEX	Identifiler®, GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
M3MUBF	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
M9VZ8L	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
MCYXPU	PowerPlex® 21					
	12,15	23,25		14,16	12,13	11,12
1	11,12	14,15		19,21	10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24	2.2,9	13,17		7,8	8,8
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

MDTL74	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
MFJMA7	GlobalFiler™ Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
MPXZVF	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
MXVFTZ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
N684XL	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
NVLX6N	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
NXDY6K	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			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 1 - STR Results

PBU992	PowerPlex® ESI FAST					
	12,15	23,25	10,11	14,16		
1		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
PEEXTE	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
PF9U8Z	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
PFN2MQ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
PMNPX3	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
PQB33Z	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
PXD2M3	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

Q9HXMH	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
QJAZM7	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
R7UGDA	NGM SElect					
	12,15	23,25	10,11	14,16		
1		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
RB974Y	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	N/A
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16	N/A	
RQWRW4	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
RYTK8J	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
TARKH2	Identifiler® Direct					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

THH88C	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
TWZVKG	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
U74A29	GlobalFiler™ Express					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
UHYJPH	GlobalFiler™ Express (STRmix)					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
UJFJYY	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
		16,17	10	18	16	8,8
UKM74Q	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
V6PFMK	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
1		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			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 1 - STR Results

V8Y9V2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
VN6JRK	Identifiler® Plus					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
VPH4CU	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	-
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	-	-	19,27.2	7,8	8
	16,17	10	-	-	2	
VURHTT	Identifiler® Plus					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
VWYNLL	Identifiler® Plus					
		23,25		14,16	12,13	
1	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
VYGUVG	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
W4QFE8	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

WQKLMV	Investigator® 24plex QS					
	12,15	23,25	10,11	14,16	12,13	N/A
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	N/A	N/A	19,27.2	7,8	8,8
	16,17	10	N/A	N/A	N/A	
WQM93N	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
WU8YTT	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
X9H2ML	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
XACRQF	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
XAEE9T	PowerPlex® Fusion, GlobalFiler™ (Genemapper ID-x)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8
	16,17	10			2	
XFLWU2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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 1 - STR Results

XGAGA6	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
XKBFRP	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
XQMGWT	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
	16,17	10	18	16		
XVWVD4	PowerPlex® 16 ESI Fast					
		12,15	23,25	10,11	14,16	
	1		14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24				7,8
	16,17					
Y6HDJJ	PowerPlex® Fusion 5C					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
	16,17	10				
YBHWH9	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
YPXW88	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	1	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			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 1 - STR Results

YTNWUJ	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
YW3NPH	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZG9JWE	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZLZQEM	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZTGATV	PowerPlex® 21					
	12,15	23,25		14,16	12,13	11,12
1	11,12	14,15		19,21	10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17					
ZUDP38	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZVLUHG	GlobalFiler™ Express					
	12,15	23,25	10,11	14,16	12,13	-
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	-	-	19,27.2	7,8	8
	16,17	10	-	-	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 1 - STR Results

ZY7K9K	GlobalFiler™ (strmix)					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZYA8ND	GlobalFiler™ Direct					
	12,15	23,25	10,11	14,16	12,13	
1	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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

234KLM	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
2CNT7A	GlobalFiler™ Express					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
2DL7PW	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
2N26LD	Identifiler® Plus					
		17,19		14,16	12,12	
2	9,12	12,16			8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21				6,6	8,8
	17,17					
2PCZY6	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
38XUFL	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
3AZQRA	PowerPlex® ESI 16 system					
	15,3,16,3	17,19	10,11	14,16		
2		12,16	14	18,20		12,13
	12,15	14	28,30	15,16	X,Y	
	21				6	
	17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3FHE7C	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
3VVKD6	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
3YG8GP	Investigator® 24plex QS					
	15.3,16.3	17,19	10,11	14,16	12,12	N/A
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	N/A	N/A	31.2,33	6,6	8,8
	17,17	10	N/A	N/A	N/A	
446AYF	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
4DEWRG	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
4L4HXE	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
4TK6J4	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

4WKEU7	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
69W6TY	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31,2,33	6	8
	17	10	17	16		
6BL6FA	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
6JEHB4	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
6K947F	PowerPlex® Fusion					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
6P4X4G	ESI-17					
	15,3,16,3	17,19	10,11	14,16		
2		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31,2,33	6,6	
	17,17					
6P7KJA	GlobalFiler™ Express					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			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

6RMAFR	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
76V4ZG	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
77RGKN	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
7NQWKF	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
7PKHFR	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
7X2X7F	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
867DZT	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

86A2H8	GlobalFiler™ Express					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
8KYDL2	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
8TTE7L	Investigator® 24plex QS					
	15,3,16.3	17,19	10,11	14,16	12,12	N/A
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	N/A	N/A	31.2,33	6,6	8,8
	17,17	10	N/A	N/A	N/A	
8UQQP8	PowerPlex® Fusion 6C, GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
8VJFC9	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
8WFAQH	GlobalFiler™ (STRmix)					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
94UY7T	GlobalFiler™ (STRmix)					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

97HGE6	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
99QTW8	PowerPlex® ESX 16 Fast					
	15,3,16,3	17,19	10,11	14,16		
2		12,16	14	18,20		12,13
	12,15	14	28,30	15,16	X,Y	
	21				6	
	17					
9B7CNN	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
9BAY73	GlobalFiler™ Express					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
9HDUCG	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
9TCJ4Q	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
9VYZDX	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31,2,33	6	8
	17	10	17	16		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

A86L29	GlobalFiler™ Direct					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
AFGP7M	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
AFKAWB	PowerPlex® Fusion					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
AFYUMZ	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
AJF23M	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
ARWN44	PowerPlex® Fusion 6C					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
B4LXYN	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			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

B9U4UU	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
BBJTU2	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
BDRPTC	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
BRPT8B	PowerPlex® ESI 17					
	15,3,16,3	17,19	10,11	14,16		
2		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31,2,33	6,6	
	17,17					
BW4K3A	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
BXVJF9	GlobalFiler™ Direct					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
CFC3NY	GlobalFiler™ Direct					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			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

CUBUP4	GlobalFiler™						
	15,3,16,3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
CV6KUX	GlobalFiler™ (STRmix)						
	15,3,16,3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31,2,33	6,6	8,8
	17,17	10			2		
CZYLQ	GlobalFiler™						
	15,3,16,3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31,2,33	6,6	8,8
	17,17	10			2		
DCQMRC	GlobalFiler™ Express						
	15,3,16,3	17,19	10,11	14,16	12	-	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21	-	-	31,2,33	6	8
	17	10	-	-	2		
DEE2FM	GlobalFiler™						
	15,3,16,3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
DEGNWZ	GlobalFiler™ Express						
	15,3,16,3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
DG2LBJ	GlobalFiler™						
	15,3,16,3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			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

DGM6AX	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
DHVGRZ	GlobalFiler™, GF Direct					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
DQB6L2	PowerPlex® ESI-17 PRO					
	15,3,16,3	17,19	10,11	14,16		
2		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31,2,33	6,6	
	17,17					
E8TJG6	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
ED2PDB	GlobalFiler™ Express					
	15,3,16,3	17,19	10,11	14,16	12	-
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	-	-	31,2,33	6	8
	17	10	-	-	2	
EJVWEZ	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	NA
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	NA	NA	31,2,33	6,6	8,8
	17,17	10	NA	NA	2	
EWPF4V	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			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

EX3ZW6	GlobalFiler™ Express						
		15,3,16.3	17,19	10,11	14,16	12	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
EXMFC8	ESI17						
		15,3,16.3	17,19	10,11	14,16		
	2		12,16	14,14	18,20		12,13
		12,15	14,14	28,30	15,16	X,Y	
		21,21			31,2,33	6,6	
	17,17						
F477C9	PowerPlex® ESI-17 Fast						
		15,3,16.3	17,19	10,11	14,16		
	2		12,16	14,14	18,20		12,13
		12,15	14,14	28,30	15,16	X,Y	
		21,21			31,2,33	6,6	
	17,17						
FNVFFU	GlobalFiler™ Direct						
		15,3,16.3	17,19	10,11	14,16	12	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
FZBAT9	GlobalFiler™						
		15,3,16.3	17,19	10,11	14,16	12	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
G94VJ8	GlobalFiler™						
		15,3,16.3	17,19	10,11	14,16	12,12	NA
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21	NA	NA	31,2,33	6,6	8,8
	17,17	10	NA	NA	2		
GGPCFM	Identifiler® 16, Plus						
			17,19		14,16	12,12	
	2	9,12	12,16			8,13	12,13
		12,15	14,14	28,30		X,Y	12,13
		21,21				6,6	8,8
	17,17						

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

GK8D2U	PowerPlex® Fusion 5C						
		15,3,16.3	17,19	10,11	14,16	12,12	
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21	9,12	5,17		6,6	8,8
	17,17	10					
GNAFMP	GlobalFiler™ (TrueAllele)						
		15,3,16.3	17,19	10,11	14,16	12	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
GXVCTW	PowerPlex® Fusion 6C, GlobalFiler™						
		15,3,16.3	17,19	10,11	14,16	12,12	
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31,2,33	6,6	8,8
	17,17	10			2		
GZP4WF	GlobalFiler™ Direct						
		15,3,16.3	17,19	10,11	14,16	12	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
H8ZNHY	PowerPlex® Fusion (IDX)						
		15,3,16.3	17,19	10,11	14,16	12,12	
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10					
H9UMK4	GlobalFiler™						
		15,3,16.3	17,19	10,11	14,16	12	
	2	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31,2,33	6	8
	17	10			2		
HHXMCQ	GlobalFiler™						
		15,3,16.3	17,19	10,11	14,16	12,12	
	2	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31,2,33	6,6	8,8
	17,17	10			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

HJV2PB	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
HVPHEC	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
HY8NUX	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
J4VHJJ	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
J64MXT	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31.2,33	6	8
	17	10	17	16	2	
J68ADL	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
J6NKAT	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

JLQ9CR	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			2		
JVGP8M	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10			2		
K226D7	Investigator® 24plex QS						
	15.3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10					
KH8L7P	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			2		
KJPKG3	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10			2		
KQ2LUQ	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10			2		
KRCFFH	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			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

KUZWQQ	GlobalFiler™ casework (Calculo de indice poblacional, hoja de excel interna del laboratorio.)					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
L7R6NJ	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
LAEHV2	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10			2	
LAUYN9	Identifiler® Plus					
		17,19		14,16	12	
2	9,12	12,16			8,13	12,13
	12,15	14	28,30		X,Y	12,13
	21				6	8
	17					
LDFEKW	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
LFJJRP	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
LGC8EQ	GlobalFiler™ Express					
	15,3,16,3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			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

LHAKXD	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
LHN89Z	Identifiler® Direct					
		17,19		14,16	12	
2	9,12	12,16			8,13	12,13
	12,15	14	28,30		X,Y	12,13
	21				6	8
	17					
LLBJEX	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
M3MUBF	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
M9VZ8L	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
MCYXPU	PowerPlex® 21					
	15.3,16.3	17,19		14,16	12,12	11,19
2	9,12	12,16		18,20	8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21	9,12	5,17		6,6	8,8
	17,17					
MDTL74	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

MFJMA7	GlobalFiler™ Direct					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
MPXZVF	GlobalFiler™ (STRmix)					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
MXVFTZ	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
N684XL	GlobalFiler™					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
NVLX6N	GlobalFiler™ Express					
	15,3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
NXDY6K	GlobalFiler™ (STRmix)					
	15,3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
PBU992	PowerPlex® ESI FAST					
	15,3,16.3	17,19	10,11	14,16		
2		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31.2,33	6,6	
	17,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PEEXTE	PowerPlex® Fusion					
	15,3,16,3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
PF9U8Z	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
PFN2MQ	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10		2		
PMNPX3	GlobalFiler™ Express					
	15,3,16,3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10		2		
PQB33Z	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10		2		
PXD2M3	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
Q9HXMH	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6	8,8
	17,17	10		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

QJAZM7	GlobalFiler™						
	15,3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31,2,33	6	8	
	17	10			2		
R7UGDA	NGM SElect						
	15,3,16.3	17,19	10,11	14,16			
	2	12,16	14,14	18,20		12,13	
	12,15	14,14	28,30	15,16	X,Y		
	21,21			31,2,33	6,6		
	17,17						
RB974Y	PowerPlex® Fusion 6C						
	15,3,16.3	17,19	10,11	14,16	12,12	N/A	
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21	9,12	5,17	31,2,33	6,6	8,8	
	17,17	10	17	16	N/A		
RQQRW4	GlobalFiler™						
	15,3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31,2,33	6,6	8,8	
	17,17	10			2		
RYTK8J	GlobalFiler™ Express						
	15,3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31,2,33	6	8	
	17	10			2		
TARKH2	Identifiler® Direct						
		17,19		14,16	12		
	2	9,12	12,16		8,13	12,13	
	12,15	14	28,30		X,Y	12,13	
	21				6	8	
	17						
THH88C	GlobalFiler™						
	15,3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31,2,33	6,6	8,8	
	17,17	10			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

TWZVKG	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
U74A29	GlobalFiler™ Express					
	15.3,16.3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
UHYJPH	GlobalFiler™ Express (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
UJFJYY	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
UKM74Q	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
V6PFMK	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
V8Y9V2	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			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

VN6JRK	Identifiler® Plus					
		17,19		14,16	12,12	
2	9,12	12,16			8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21				6,6	8,8
	17,17					
VPH4CU	GlobalFiler™ Express					
	15.3,16.3	17,19	10,11	14,16	12	-
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	-	-	31.2,33	6	8
	17	10	-	-	2	
VURHTT	Identifiler® Plus					
		17,19		14,16	12,12	
2	9,12	12,16			8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21				6,6	8,8
	17,17					
VWYNLL	Identifiler® Plus					
		17,19		14,16	12,12	
2	9,12	12,16			8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21				6,6	8,8
	17,17					
YGUVG	GlobalFiler™ Express					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
W4QFE8	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
WQKLMV	Identifiler®, Investigator® 24plex QS					
	15.3,16.3	17,19	10,11	14,16	12,12	N/A
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	N/A	N/A	31.2,33	6,6	8,8
	17,17	10	N/A	N/A	N/A	

TABLE 1

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

Item 2 - STR Results

WQM93N	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
WU8YTT	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
X9H2ML	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
XACRQF	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
XAEE9T	PowerPlex® Fusion, GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31.2,33	6	8
	17	10			2	
XFLWU2	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
XGAGA6	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

XKBFRP	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			2		
XQMGWT	PowerPlex® Fusion 6C						
	15.3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21	9,12	5,17	31.2,33	6,6	8,8	
	17,17	10	17	16			
XVWWD4	PowerPlex® 16 ESI Fast						
	15.3,16.3	17,19	10,11	14,16			
	2		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y		
	21,21				6,6		
	17,17						
Y6HDJJ	PowerPlex® Fusion 5C						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21	9,12	5,17		6	8	
	17	10					
YBHWH9	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			2		
YPXW88	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12,12		
	2	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10			2		
YTNWUJ	PowerPlex® Fusion						
	15.3,16.3	17,19	10,11	14,16	12		
	2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21	9,12	5,17		6	8	
	17	10					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

YW3NPH	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZG9JWE	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZLZQEM	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZTGATV	PowerPlex® 21					
	15.3,16.3	17,19		14,16	12	11,19
	9,12	12,16		18,20	8,13	12,13
	12,15	14	28,30		X,Y	12,13
	21	9,12	5,17		6	8
	17					
ZUDP38	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12,12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZVLUHG	GlobalFiler™ Express					
	15.3,16.3	17,19	10,11	14,16	12	-
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	-	-	31.2,33	6	8
	17	10			2	
ZY7K9K	GlobalFiler™ (strmix)					
	15.3,16.3	17,19	10,11	14,16	12	
	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

ZYA8ND	GlobalFiler™ Direct					
	15.3,16.3	17,19	10,11	14,16	12	
2	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	

TABLE 1

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

Item 3 - STR Results

234KLM	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
2CNT7A	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
2DL7PW	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
2N26LD	Identifiler® Plus					
			23,25		14,16	12,13
3		11,12	14,15		10,11	10,11
		15,18	14,15.2	29,34		X,Y
		22,24				7,8
		16,17				8,8
2PCZY6	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
38XUFL	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
		16,17	10	18	16	8,8
3AZQRA	PowerPlex® ESI 16 system					
		12,15	23,25	10,11	14,16	
3			14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24				7,8
		16,17				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3FHE7C	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
3VVKD6	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
3YG8GP	Investigator® 24plex QS					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	N/A	N/A	19,27.2	7,8
		16,17	10	N/A	N/A	8,8
						N/A
3ZDWMR	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
446AYF	PowerPlex® Fusion					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
		16,17	10			8
4DEWRG	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
4L4HXE	GlobalFiler™ (STRMix)					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			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 3 - STR Results

4TK6J4	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
4WKEU7	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
69W6TY	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8
	16,17	10	18	16		
6BL6FA	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
6JEHB4	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
6K947F	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
6P4X4G	ESI-17					
	12,15	23,25	10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6P7KJA	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
6RMAFR	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
76V4ZG	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
77RGKN	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
7NQWKF	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
7X2X7F	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
867DZT	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			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 3 - STR Results

86A2H8	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
8KYDL2	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
8TTE7L	Identifiler®, Investigator® 24plex QS					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	N/A	N/A	19,27.2	7,8
		16,17	10	N/A	N/A	8,8
						N/A
8UQQP8	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8,8
						2
8VJFC9	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
8WFQCH	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			8
						2
94UY7T	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
3		11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			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 3 - STR Results

97HGE6	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
99QTW8	PowerPlex® ESX 16 Fast					
	12,15		10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24					
	16,17					
9B7CNN	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
9BAY73	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
9HDUCG	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
9TCJ4Q	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
9VYZDX	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8
	16,17	10	18	16		

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

A86L29	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
AFKAWB	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
AFYUMZ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ARWN44	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
B4LXYN	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
B9U4UU	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
BBJTU2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

BDRPTC	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
BRPT8B	PowerPlex® ESI 17					
	12,15	23,25	10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
BW4K3A	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
BXVJF9	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
CFC3NY	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
CUBUP4	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
CV6KUX	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

CZYLQ	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17		10		2
DCQMRC	Identifiler® Plus					
		-	23,25	-	14,16	12,13
	3	11,12	14,15	-	-	10,11
		15,18	14,15.2	29,34	-	X,Y
		22,24	-	-	-	7,8
		16,17	-	-	-	-
DEE2FM	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
DEGNWZ	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
DGM6AX	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
DHVGRZ	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
DQB6L2	PowerPlex® ESI-17 PRO					
		12,15	23,25	10,11	14,16	
	3		14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

ED2PDB	Identifiler® Plus					
	-	23,25	-	14,16	12,13	-
3	11,12	14,15	-	-	10,11	10,11
	15,18	14,15.2	29,34	-	X,Y	11,12
	22,24	-	-	-	7,8	8
	16,17	-	-	-	-	-
EJWJEZ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	NA
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	NA	NA	19,27.2	7,8	8,8
	16,17	10	NA	NA	2	
EWPF4V	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
EX3ZW6	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
EXMFC8	ESI17					
	12,15	23,25	10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
F477C9	PowerPlex® ESI-17 Fast					
	12,15	23,25	10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
FNVFFU	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

FZBAT9	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
G94VJ8	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	NA
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	NA	NA	19,27.2	7,8	8,8
	16,17	10	NA	NA	2	
GGPCFM	Identifiler® 16, Plus					
		23,25		14,16	12,13	
3	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
GH7FJE	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
GK8D2U	PowerPlex® Fusion 5C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8,8
	16,17	10				
GNAFMP	GlobalFiler™ (TrueAllele)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
GXVCTW	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

GZP4WF	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
H8ZNHY	PowerPlex® Fusion (IDX)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
		16,17	10			8,8
H9UMK4	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
HHXMCQ	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
HJV2PB	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
		16,17	10	18	16	8,8
HY8NUX	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
J4VHJJ	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2

TABLE 1

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

Item 3 - STR Results

J64MXT	PowerPlex® ES17 PRO & ESX17					
	12,15	23,25	10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
J68ADL	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
J6NKAT	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
JLQ9CR	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
JVGP8M	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
K226D7	Investigator® 24plex QS					
	12,15	23,25	10,[11]	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	[X],Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10				
KH8L7P	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

KJPKG3	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
KQ2LUQ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
KRCFFH	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
KUZWQQ	GlobalFiler™ CASEWORK (Calculo LR, hoja de excel interna del laboratorio.)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
L7R6NJ	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
LAEHV2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
LAUYN9	Identifiler® Plus					
		23,25		14,16	12,13	
3	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

LDFEKW	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
LFJJRP	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
LGC8EQ	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
LHAKXD	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
LHN89Z	Identifiler® Plus					
			23,25		14,16	12,13
	3	11,12	14,15			10,11
		15,18	14,15.2	29,34		X,Y
		22,24				7,8
		16,17				
LLBJEX	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
M3MUBF	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2

TABLE 1

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

Item 3 - STR Results

M9VZ8L	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
MCYXPU	PowerPlex® 21 (STRmix)					
	12,15	23,25		14,16	12,13	11,12
3	11,12	14,15		19,21	10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24	2.2,9	13,17		7,8	8,8
	16,17					
MDTL74	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
MFJMA7	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
MPXZVF	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
MXVFTZ	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
N684XL	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

NVLX6N	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
NXDY6K	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
PBU992	PowerPlex® ESI FAST					
		12,15	23,25	10,11	14,16	
	3		14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17				
PEEXTE	PowerPlex® Fusion					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
		16,17	10			
PF9U8Z	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
		16,17	10	18	16	
PFN2MQ	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
PMNPX3	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2

TABLE 1

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

Item 3 - STR Results

PQB33Z	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
PXD2M3	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
Q9HXMH	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
R7UGDA	NGM SElect					
	12,15	23,25	10,11	14,16		
3		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					
RB974Y	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	N/A
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16	N/A	
RQWRW4	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
RYTK8J	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

TARKH2	Identifiler® Plus					
		23,25		14,16	12,13	
3	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8
	16,17					
THH88C	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
TWZVKG	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
U74A29	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
UHYJPH	GlobalFiler™ Express (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
UJFJYY	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8,8
	16,17	10	18	16		
UKM74Q	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

V6PFMK	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
VN6JRK	Identifiler® Plus					
		23,25		14,16	12,13	
3	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
VPH4CU	Identifiler® Plus					
	-	23,25	-	14,16	12,13	-
3	11,12	14,15	-	-	10,11	10,11
	15,18	14,15.2	29,34	-	X,Y	11,12
	22,24	-	-	-	7,8	8
	16,17	-	-	-	-	
VURHTT	Identifiler® Plus					
		23,25		14,16	12,13	
3	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
VWYNLL	Identifiler® Plus					
		23,25		14,16	12,13	
3	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					
VYGUVG	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
W4QFE8	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

WQKLMV	Identifiler®, Investigator® 24plex QS					
	12,15	23,25	10,11	14,16	12,13	N/A
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	N/A	N/A	19,27.2	7,8	8,8
	16,17	10	N/A	N/A	N/A	
WQM93N	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
WU8YTT	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
X9H2ML	PowerPlex® Fusion					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17	10				
XACRQF	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
XAEE9T	PowerPlex® Fusion, GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17	19,27.2	7,8	8
	16,17	10			2	
XGAGA6	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

XKBFRP	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
		16,17	10			2
XQMGWT	PowerPlex® Fusion 6C					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17	19,27.2	7,8
		16,17	10	18	16	
XVWWD4	PowerPlex® 16 ESI Fast					
		12,15	23,25	10,11	14,16	
	3		14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24				7,8
	16,17					
Y6HDJJ	PowerPlex® Fusion 5C					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
	16,17	10				
YBHWH9	GlobalFiler™ (STRmix)					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
YPXW88	GlobalFiler™					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24			19,27.2	7,8
	16,17	10			2	
YTNWUJ	PowerPlex® Fusion					
		12,15	23,25	10,11	14,16	12,13
	3	11,12	14,15	15,16	19,21	10,11
		15,18	14,15.2	29,34	15,17	X,Y
		22,24	2.2,9	13,17		7,8
	16,17	10				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

YW3NPH	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZG9JWE	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZLZQEM	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZTGATV	PowerPlex® 21					
	12,15	23,25		14,16	12,13	11,12
3	11,12	14,15		19,21	10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24	2.2,9	13,17		7,8	8
	16,17					
ZUDP38	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
ZVLUHG	Identifiler® Plus					
	-	23,25	-	14,16	12,13	-
3	11,12	14,15	-	-	10,11	10,11
	15,18	14,15.2	29,34	-	X,Y	11,12
	22,24	-	-	-	7,8	8
	16,17	-	-	-	-	-
ZY7K9K	GlobalFiler™ (strmix)					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	

TABLE 1

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

Item 3 - STR Results

ZYA8ND	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			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

AFGP7M	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3e	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
AJF23M	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3e	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
V8Y9V2	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
3e	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			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

AFGP7M GlobalFiler™

3sp

AJF23M GlobalFiler™

3sp

12,15,16.3	23,25	10,11	14,16	12,13		
11,12	14,15	14,15,16	19,21	10,11	10,11	
15,18	14,15.2	29,34	15,17	X,Y	11,12	
22,24			19,27.2	7,8	8,8	
16,17	10			2		

V8Y9V2 GlobalFiler™

3sp

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

867DZT	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
8KYDL2	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
CZYLQ	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
GGPCFM	Identifiler® 16, Plus					
		17,19,23,25		14,16	12,13	
4	9,11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24				6,7,8	8,8
	16,17					
KQ2LUQ	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
KUZWQQ	GlobalFiler™ CASEWORK (LRMIX studio)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8,8
	16,17	10			2	
M9VZ8L	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			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

Q9HXMH	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
XAE9T	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17		6,7,8	8
	16,17	10				
YPXW88	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
ZTGATV	PowerPlex® 21					
	12,15,15.3,16.3	17,19,23,25		14,16	12,13	11,12,19
4	9,11,12	12,14,15,16		18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17		6,7,8	8
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

234KLM	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
2CNT7A	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
2DL7PW	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12
	21,22,24			19,27.2,[31.2,33]	6,7,8	8,8
	16,17	10			2	
2N26LD	Identifiler® Plus (STRmix (e fraction only))					
		17,19,23,25		14,16	12,13	
4e	9,11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24				6,7,8	8
	16,17					
2PCZY6	GlobalFiler™ (STRmix)					
	12,15,[15.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	19,21	[8],10,11,[13]	10,11,[13]
	[12],15,18	14,15.2	[28],29,34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2]	[6],7,8	8
	16,17	10			2	
38XUFL	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
3AZQRA	PowerPlex® ESI 16 system (Excel)					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16		
4e		[12],14,15,[16]	[14],15,16	[18],19,[20],21		10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	
	[21],22,24				[6],7,8	
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3FHE7C	GlobalFiler™					
	12,15,[15.3,16.3]	23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,21	[8],10,11,[13]	10,11,[12]
	[12],15,18	14,15.2	[28],29,[30],34	15,17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2,33]	[6],7,8	8,8
	16,17	10			2	
3VVKD6	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
3YG8GP	Investigator® 24plex QS					
	12,15,[15.3]	23,25	10,11	14,16	12,13	N/A
4e	11,12	14,15,[16]	[14],15,16	19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	N/A	N/A	19,27.2,[31.2]	[6],7,8	8
	16,17	10	N/A	N/A	N/A	
3ZDWMR	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
446AYF	PowerPlex® Fusion					
	12,15,[15.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	13,17		[6],7,8	8
	16,17	10				
4DEWRG	GlobalFiler™ (STRmix)					
	12,15,15.3	17,19,23,25	10,11	14,16	12,13	
4e	11,12	12,14,15,16	14,15,16	19,21	8,10,11	10,11,12,13
	12,15,18	14,15.2	28,29,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,33	6,7,8	8
	16,17	10			2	
4L4HXE	GlobalFiler™ (STRMix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

4TK6J4	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
4WKEU7	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
69W6TY	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
6BL6FA	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
6JEHB4	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
6K947F	PowerPlex® Fusion					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12
	[21],22,24	2.2,9,[12]	[5],13,17		[6],7,8	8
	16,17	10				
6P4X4G	ESI-17					
	12,15	23,25	10,11	14,16		
4e		14,15	15,16	19,21		10,11
	15,18	14,15.2	29,34	15,17	X,Y	
	22,24			19,27.2	7,8	
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6P7KJA	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
6RMAFR	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
76V4ZG	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
77RGKN	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	12,14,15,16	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
7NQQWF	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
7X2X7F	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8,8,[8],[8]
	16,17	10			2	
86A2H8	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

8TTE7L	Identifiler®, Investigator® 24plex QS					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	N/A
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11	10,11,[12],[13]
	[12],15,18	14,[15.2]	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	N/A	N/A	19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10	N/A	N/A	N/A	
8UQQP8	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
8VJFC9	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
8WFQCH	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
94UY7T	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
97HGE6	PowerPlex® Fusion 6C					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17	19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10	[17],18	16		
99QTW8	PowerPlex® ESX 16 Fast					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16		
4e		[12],14,15,[16]	[14],15,16	[18],19,[20],21		10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	
	[21],22,24				[6],7,8	
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

9B7CNN	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
9BAY73	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
9HDUCG	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
9TCJ4Q	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
9VYZDX	PowerPlex® Fusion 6C					
	12,15	23,25	10,11	14,16	12,13	
4e	11,12	12,14,15	14,15,16	18,19,20,21	10,11	10,11
	15,18	14,15.2	28,29,34	15,16,17	X,Y	11,12
	21,22,24	2.2,9,12	13,17	19,27.2,31.2	6,7,8	8
	16,17	10	17,18	16		
A86L29	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[33]	[6],7,8	8
	16,17	10			2	
AFGP7M	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

AFKAWB	PowerPlex® Fusion					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17		[6],7,8	8
	16,17	10				
AFYUMZ	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
AJF23M	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	18,19,20,21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	6,7,8	8,8
	16,17	10			2	
ARWN44	PowerPlex® Fusion 6C					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17	19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10	[17],18	16		
B4LXYN	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
B9U4UU	GlobalFiler™					
	12,15,(15.3,16.3)	(17,19),23,25	10,11	14,16	12,13	
4e	(9),11,12	(12),14,15,(16)	(14),15,16	(18),19,(20),21	(8),10,11,(13)	10,11,(12,13)
	(12),15,18	14,15.2	(28),29,(30),34	15,(16),17	X,Y	11,12,(13)
	(21),22,24			19,27.2,(31.2,33)	(6),7,8	8,8
	16,17	10			2	
BBJTU2	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8,8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

BDRPTC	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
BRPT8B	PowerPlex® ESI 17					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16		
4e		[12],14,15,[16]	[14],15,16	[18],19,[20],21		10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	
	16,17					
BW4K3A	GlobalFiler™ (STRmix)					
	12,15	23,25	10,11	14,16	12,13	
4e	11,12	14,15,16	15,16	19,21	10,11,13	10,11
	12,15,18	14,15.2	29,34	15,16,17	X,Y	11,12
	21,22,24			19,27.2	6,7,8	8
	16,17	10			2	
BXVJF9	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
CFC3NY	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
CUBUP4	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
CV6KUX	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8,8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

DCQMRC	Identifiler® Plus					
	-	17,19,23,25	-	14,16	12,13	-
4e	9,11,12	12,14,15,16	-	-	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	-	X,Y	11,12,13
	21,22,24	-	-	-	6,7,8	8
	16,17	-	-	-	-	-
DEE2FM	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
DEGNWZ	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
DGM6AX	GlobalFiler™					
	12,15,[15.3],[16.3]	17,19,23,25	10,11	14,16	12,13	
4e	[9],11,12	12,14,15,16	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
DHVGRZ	GlobalFiler™					
	12,15,(15.3),(16.3)	(17),(19),23,25	10,11	14,16	12,13	
4e	(9),11,12	(12),14,15,(16)	14,15,16	(18),19,(20),21	(8),10,11,(13)	10,11,(12),(13)
	(12),15,18	14,15.2	(28),29,(30),34	15,(16),17	X,Y	11,12,(13)
	(21),22,24			19,27.2,(31.2),(33)	(6),7,8	8
	16,17	10			2	
DQB6L2	PowerPlex® ESI-17 PRO					
	12,15,(15.3,16.3)	(17,19),23,25	10,11	14,16		
4e		(12),14,15,(16)	(14),15,16	(18),19,(20),21		10,11,(12,13)
	(12),15,18	14,15.2	(28),29,(30),34	15,(16),17	X,Y	
	(21),22,24			19,27.2,(31.2,33)	(6),7,8	
	16,17					
ED2PDB	Identifiler® Plus					
	-	17,19,23,25	-	14,16	12,13	-
4e	9,11,12	12,14,15,16	-	-	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	-	X,Y	11,12,13
	21,22,24	-	-	-	6,7,8	8
	16,17	-	-	-	-	-

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

EVJWEZ	GlobalFiler™						
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	NA	
	4e	[9],11,12	[12],14,15,[16]	[14],15,16	19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]	
	[21],22,24	NA	NA	19,27.2,[31.2],[33]	[6],7,8	8,8	
	16,17	10	NA	NA	2		
EWPF4V	GlobalFiler™						
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13		
	4e	9,11,12	12,14,15,16	14,15,16	19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13	
	21,22,24			19,27.2,31.2,33	6,7,8	8,8	
	16,17	10			2		
EX3ZW6	GlobalFiler™						
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13		
	4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]	
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8	
	16,17	10			2		
EXMFC8	ESI17						
	12,15	23,25	10,11	14,16			
	4e		14,15	15,16	19,21	10,11	
	15,18	14,15.2	29,34	15,17	X,Y		
	22,24			19,27.2	7,8		
	16,17						
F477C9	PowerPlex® Promega ESI-17 Fast						
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16			
	4e		[12],14,15,[16]	[14],15,16	[18],19,[20],21	10,11,[12],[13]	
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y		
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8		
	16,17						
FNVFFU	GlobalFiler™						
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13		
	4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]	
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8	
	16,17	10			2		
FZBAT9	GlobalFiler™						
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13		
	4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13	
	21,22,24			19,27.2,31.2,33	6,7,8	8	
	16,17	10			2		

TABLE 1

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

Item 4e - STR Results

G94VJ8	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	NA
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	NA	NA	19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10	NA	NA	2	
GH7FJE	GlobalFiler™					
	12,15,(15.3),(16.3)	(17),(19),23,25	10,11	14,16	12,13	
4e	(9),11,12	(12),14,15,(16)	14,15,16	(18),19,(20),21	(8),10,11,(13)	10,11,(12),(13)
	(12),15,18	14,15.2	(28),29,(30),34	15,(16),17	X,Y	11,12,(13)
	21,22,24			19,27.2,(31.2),(33)	6,7,8	8
	16,17	10			2	
GK8D2U	PowerPlex® Fusion 5C					
	12,15	23,25	10,11	14,16	12,13	
4e	[9],11,12	14,15	[14],15,16	19,21	10,11,[13]	10,11,[12]
	15,18	14,15.2	[28],29,[30],34	15,17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	13,17		[6],7,8	8,8
	16,17	10				
GNAFMP	GlobalFiler™ (TrueAllele)					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
GXVCTW	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
GZP4WF	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
H8ZNHY	PowerPlex® Fusion (IDX)					
	12,15	23,25	10,11	14,16	12,13	
4e	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24	2.2,9	13,17		7,8	8,8
	16,17	10				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

H9UMK4	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11	10,11,12,13
	12,15,18	14,15.2	29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
HHXMCQ	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
HJV2PB	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
HY8NUX	GlobalFiler™ (STRMIX)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
J4VHJJ	GlobalFiler™ Plus					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],13
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
J64MXT	PowerPlex® ES117 PRO & ESX					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16		
4e		12,14,15,16	14,15,16	18,19,20,21		10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	
	21,22,24			19,27.2,31.2,33	6,7,8	
	16,17					
J68ADL	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,16,17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

J6NKAT	GlobalFiler™					
	12,15,[15.3],[16.3]	17,19,23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	19,20,21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
JLQ9CR	GlobalFiler™					
	12,15,[15.3],16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],33]	[6],7,8	8
	16,17	10			2	
JVGP8M	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
K226D7	Investigator® 24plex QS (Bulletproof)					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10				
KH8L7P	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
KJPKG3	GlobalFiler™					
	12,15,(15.3),(16.3)	(17),(19),23,25	10,11	14,16	12,13	
4e	(9),11,12	(12),14,15,(16)	14,15,16	(18),19,(20),21	(8),10,11,(13)	10,11,(12),(13)
	(12),15,18	14,15.2	(28),29,(30),34	15,(16),17	X,Y	11,12,(13)
	(21),22,24			19,27.2,(31.2),(33)	6,7,8	8,8
	16,17	10			2	
KRCFFH	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

L7R6NJ	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
LAEHV2	GlobalFiler™ (STRmix)					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
LAUYN9	Identifiler® Plus					
		17,19,23,25		14,16	12,13	
4e	9,11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24				6,7,8	8
	16,17					
LDFEKW	GlobalFiler™					
	12,15,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	19,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12
	21,22,24			19,27.2,31.2,33	7,8	8
	16,17	10			2	
LFJJRP	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
LGC8EQ	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
LHAKXD	GlobalFiler™ (STRmix)					
	12,15	17,19,23,25	10,11	14,16	12,13	
4e	11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,33	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

LHN89Z	Identifiler® Plus					
		17,19,23,25		14,16	12,13	
4e	9,11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24				6,7,8	8
	16,17					
LLBJEX	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
M3MUBF	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,16,17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
MCYXPU	PowerPlex® 21 (STRmix)					
	12,15,16.3	17,19,23,25		14,16	12,13	11,12
4e	11,12	14,15,16		19,20,21	10,11,13	10,11,12
	15,18	14,15.2	28,29,34		X,Y	11,12
	21,22,24	2.2,9,12	13,17		6,7,8	8,8
	16,17					
MDTL74	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
MFJMA7	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
MPXZVF	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

MXVFTZ	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
N684XL	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
NVLX6N	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
NXDY6K	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
PBU992	PowerPlex® ESI FAST					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16		
4e		12,14,15,16	14,15,16	18,19,20,21		10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	
	21,22,24			19,27.2,30.2,31.2,33	6,7,8	
	16,17			3		
PEEXTE	PowerPlex® Fusion					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17		[6],7,8	8
	16,17	10				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PF9U8Z	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
PFN2MQ	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
PMNPX3	GlobalFiler™					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
PQB33Z	GlobalFiler™ (STRmix)					
	12,15,[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	11,12	[12],14,15	15,16	19,21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	29,34	15,16,17	X,Y	11,12
	22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
PXD2M3	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
R7UGDA	NGM SElect					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16		
4e		[12],14,15,[16]	[14],15,16	[18],19,[20],21		10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	
	16,17					
RB974Y	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	N/A
4e	9,11,12	12,14,15,16	14,15,16	19,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2	6,7,8	8
	16,17	10	17,18	16	N/A	

TABLE 1

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

Item 4e - STR Results

RQWRW4	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,16,17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
RYTK8J	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
4e	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8
	16,17	10			2	
TARKH2	Identifiler® Plus					
		17,19,23,25		14,16	12,13	
4e	9,11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24				6,7,8	8
	16,17					
THH88C	GlobalFiler™					
	12,15	23,25	10,11	14,16	12,13	
4e	11,12	14,15	15,16	19,21	10,11	10,11
	15,18	14,15.2	29,34	15,17	X,Y	11,12
	22,24			19,27.2	7,8	8,8
	16,17	10			2	
TWZVKG	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	19,21	8,10,11,13	10,11,13
	12,15,18	14,15.2	28,29,34	15,16,17	X,Y	11,12
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
U74A29	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
UHYJPH	GlobalFiler™ Express (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

UJFJYY	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24	2,2,9,12	5,13,17	19,27,2,31,2,33	6,7,8	8
	16,17	10	17,18	16		
UKM74Q	GlobalFiler™ (STRmix)					
	12,15,15.3	19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	10,11	10,11,12
	12,15,18	14,15.2	28,29,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27,2,33	6,7,8	8
	16,17	10			2	
V6PFMK	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27,2,31,2,33	6,7,8	8
	16,17	10			2	
V8Y9V2	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12,13]
	[12],15,18	14,15.2	[28],29,[30],34	15,16,17	X,Y	11,12,[13]
	21,22,24			19,27,2,[31,2,33]	6,7,8	8
	16,17	10			2	
VN6JRK	Identifiler® Plus					
		17,19,23,25		14,16	12,13	
4e	11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	29,30,34		X,Y	11,12
	21,22,24				6,7,8	8
	16,17					
VPH4CU	Identifiler® Plus					
	-	17,19,23,25	-	14,16	12,13	-
4e	9,11,12	12,14,15,16	-	-	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	-	X,Y	11,12,13
	21,22,24	-	-	-	6,7,8	8
	16,17	-	-	-	-	
VURHTT	Identifiler® Plus					
		23,25		14,16	12,13	
4e	11,12	14,15			10,11	10,11
	15,18	14,15.2	29,34		X,Y	11,12
	22,24				7,8	8,8
	16,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WYNNL	Identifiler® Plus					
		17,19,23,25		14,16	12,13	
4e	9,11,12	12,14,15,16			8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34		X,Y	11,12,13
	21,22,24				6,7,8	8
	16,17					
YGUVG	GlobalFiler™					
	12,15,[15.3,16.3]	[17,19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2,33]	[6],7,8	8
	16,17	10			2	
W4QFE8	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8
	16,17	10			2	
WQKLMV	Identifiler®, Investigator® 24plex QS					
	12,15	23,25	10,11	14,16	12,13	N/A
4e	11,12	14,15	[14],15,16	19,[20],21	10,11	10,11
	15,18	14,15.2	[28],29,34	15,[16],17	X,Y	11,12
	[21],22,24	N/A	N/A	19,27.2	[6],7,8	8
	16,17	10	N/A	N/A	N/A	
WQM93N	PowerPlex® Plus					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17		[6],7,8	8
	16,17	10				
WU8YTT	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
X9H2ML	PowerPlex® Fusion					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17		[6],7,8	8
	16,17	10				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XACRQF	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,21	[8],10,11,[13]	10,11
	[12],15,18	14,15.2	[28],29,[33],34	15,17	X,Y	11,12
	[21],22,24			19,27.2,[31.2],[33]	[6],7,8	8,8
	16,17	10			2	
XGAGA6	GlobalFiler™					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	14,15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,16,17	X,Y	11,12,[13]
	21,22,24			19,27.2,[31.2],[33]	6,7,8	8
	16,17	10			2	
XKBFRP	GlobalFiler™ (STRmix)					
	12,15	17,19,23,25	10,11	14,16	12,13	
4e	11,12	12,14,15,16	14,15,16	18,19,21	8,10,11,13	10,11,12,13
	15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
XQMGWT	PowerPlex® Fusion 6C					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,17	X,Y	11,12,13
	21,22,24	2.2,9,12	5,13,17	19,27.2,31.2,33	6,7,8	8
	16,17	10	17,18	16		
XVWWD4	PowerPlex® 16 ESI Fast					
	12,15,(15.3,16.3)	(17,19),23,25	10,11	14,16		
4e		(12),14,15,(16)	(14),15,16	(18),19,(20),21		10,11,(12,13)
	(12),15,18	14,15.2	(28),29,(30),34	15,(16),17	X,Y	
	(21),22,24				(6),7,8	
	16,17					
Y6HDJJ	PowerPlex® Fusion 5C					
	12,15,[15.3],[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	[28],29,[30],34	15,[16],17	X,Y	11,12,[13]
	[21],22,24	2.2,9,[12]	[5],13,17		[6],7,8	8
	16,17	10				
YBHW9	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,23,25	10,11	14,15,16	12,13	
4e	11,12	12,14,15,16	14,15,16	19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

YTNWUJ	PowerPlex® Fusion					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12
	21,22,24	2.2,9,12	5,13,17		6,7,8	8
	16,17	10				
YW3NPH	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	19,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	29,30,34	15,17	X,Y	11,12
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
ZG9JWE	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
ZLZQEM	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
ZUDP38	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
4e	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			2	
ZVLUHG	Identifiler® Plus					
	-	17,19,23,25	-	14,16	12,13	-
4e	9,11,12	12,14,15,16	-	-	8,10,11,13	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	-	X,Y	11,12,13
	21,22,24	-	-	-	6,7,8	8
	16,17	-	-	-	-	-
ZY7K9K	GlobalFiler™ (strmix)					
	12,15,15.3	23,25	10,11	14,16	12,13	
4e	11,12	12,14,15,16	14,15,16	18,19,21	10,11	10,11,12,13
	12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
	21,22,24			19,27.2,33	6,7,8	8
	16,17	10			2	

TABLE 1

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

Item 4e - STR Results

ZYA8ND	GlobalFiler™					
	12,15,[16.3]	[17],[19],23,25	10,11	14,16	12,13	
4e	[9],11,12	[12],14,15,[16]	[14],15,16	[18],19,[20],21	[8],10,11,[13]	10,11,[12],[13]
	[12],15,18	14,15.2	29,[30],34	15,17	X,Y	11,12,[13]
	[21],22,24			19,27.2,[31.2]	[6],7,8	8
	16,17	10			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

234KLM	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,15,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
2CNT7A	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
2DL7PW	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,[15],16	14,14	18,20	8,[11],13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			[27.2],31.2,33	6,6	8,8
	17,17	10			2		
2N26LD	Identifiler® Plus (STRmix (e fraction only))						
			17,19		14,16	12,12	
	4sp	9,12	12,16			8,13	12,13
		12,15	14,14	28,30		X,Y	12,13
		21,21				6,6	8,8
	17,17						
2PCZY6	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19,[23]	10,11	14,16	12	
	4sp	9,12	12,[14],16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
38XUFL	PowerPlex® Fusion 6C						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16			
3AZQRA	PowerPlex® ESI 16 system (Excel)						
		15.3,16.3	17,19	10,11	14,16		
	4sp		12,16	14	18,20		12,13
		12,15	14	28,30	15,16	X,Y	
		21				6	
	17						

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3FHE7C	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31.2,33	6,6	8,8
	17,17	10			2		
3VVKD6	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
3YG8GP	Investigator® 24plex QS						
		15.3,16.3	17,19	10,11	14,16	12,12	N/A
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21	N/A	N/A	31.2,33	6,6	8,8
	17,17	10	N/A	N/A	N/A		
3ZDWMR	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12,[13]	
	4sp	9,12	12,[15],16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16,[17]	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
446AYF	PowerPlex® Fusion						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21	9,12	5,17		6	8
	17	10					
4DEWRG	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
4L4HXE	GlobalFiler™ (STRMix)						
		12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
	4sp	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
		12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
		21,22,24			19,27.2,31.2,33	6,7,8	8
	16,17	10			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

4TK6J4	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
4WKEU7	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,11,12	12,14,15,16	14	18,20	8,13	10,12,13
	12,15	14,15.2	28,29,30	15,16,17	X,Y	12,13
	21			31.2,33	6,8	8
	17	10			2	
69W6TY	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,15,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31.2,33	6	8
	17	10	17	16		
6BL6FA	GlobalFiler™					
	[12],[15],15.3,16.3	17,19,[23],[25]	10,11	14,16	12,[13]	
4sp	9,12	12,[14],[15],16	14,[16]	18,[19],20	8,[10],[11],13	[10],[11],12,13
	12,15,[18]	14,[15.2]	28,[29],30,[34]	15,16,[17]	X,Y	[11],12,13
	21,[24]			[19],31.2,33	6,[8]	8,8
	17,17	10			2	
6JEHB4	GlobalFiler™ (STRmix)					
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12	
4sp	9,12	12,14,15,16	14	18,20	8,10,11,13	10,12,13
	12,15	14,15.2	28,30,34	15,16	X,Y	11,12,13
	21,24			19,27.2,31.2,33	6,7,8	8
	17	10			2	
6K947F	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
6P4X4G	ESI-17					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31.2,33	6,6	
	17,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6P7KJA	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
6RMAFR	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
76V4ZG	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
77RGKN	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
7NQWKF	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
7X2X7F	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,[14],16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
86A2H8	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

8TTE7L	Identifiler®, Investigator® 24plex QS					
	15.3,16.3	17,19	10,11	14,16	12,12	N/A
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	N/A	N/A	31.2,33	6,6	8,8
	17,17	10	N/A	N/A	N/A	
8UQQP8	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,[14],[15],16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
8VJFC9	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
8WFAQCH	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
94UY7T	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
97HGE6	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	[2.2],9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
99QTW8	PowerPlex® ESX 16 Fast					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,16	14	18,20		12,13
	12,15	14	28,30	15,16	X,Y	
	21				6	
	17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

9B7CNN	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
9BAY73	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,[15],16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
9HDUCG	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31.2,33	6	8
	17	10	17	16		
9TCJ4Q	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
9VYZDX	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31.2,33	6	8
	17	10	17	16		
A86L29	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
AFGP7M	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			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

AFKAWB	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
AFYUMZ	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
AJF23M	GlobalFiler™					
	[12],15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,[15],16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
ARWN44	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
B4LXYN	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
B9U4UU	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
BBJTU2	GlobalFiler™					
	[12],[15],15.3,16.3	17,19,[23],[25]	10,11	14,16	12,12,[13]	
4sp	9,12	12,[14],[15],16	14,14,[15],[16]	18,[19],20,[21]	8,[10],[11],13	[10],[11],12,13
	12,15,[18]	14,14,[15.2]	28,[29],30,[34]	15,16,[17]	X,Y	12,13
	21,21,[24]			[19],[27.2],31.2,33	6,6,[8]	8,8
	17,17	10			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

BDRPTC	GlobalFiler™					
	15,3,16,3	17,19,23,25	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15,18	14,14	28,30	15,16	X,Y	12,13
	21,21			31,2,33	6,6,8	8,8
	17,17	10			2	
BRPT8B	PowerPlex® ESI 17					
	15,3,16,3	17,19	10,11	14,16		
4sp		12,[15],16	14,14	18,20,[21]		12,13
	12,15	[11.2],14,14	28,30	15,16	X,Y	
	21,21			[27.2],[30.2],31.2,33	6,6	
	17,17					
BW4K3A	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
BXVJF9	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
CFC3NY	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
CUBUP4	GlobalFiler™					
	15,15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,14,15,16	14,15,16	18,20	8,11,13	12,13
	12,15	14	28,30	15,16,17	X,Y	12,13
	21			31,2,33	6	8
	17	10			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

CV6KUX	GlobalFiler™ (STRmix)					
	15,15.3,16.3	17,19,23	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,15.2	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
DCQMRC	Identifiler® Plus					
	-	17,19	-	14,16	12	-
4sp	9,12	12,16	-	-	8,13	12,13
	12,15	14	28,30	-	X,Y	12,13
	21	-	-	-	6	8
	17	-	-	-	-	-
DEE2FM	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
DEGNWZ	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,[15],16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
DGM6AX	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
DHVGRZ	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
DQB6L2	PowerPlex® ESI-17 PRO					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,(15),16	14,14,(15)	18,20		(10),12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31.2,33	6,6,(8)	
	17,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

ED2PDB	Identifiler® Plus					
	-	17,19	-	14,16	12	-
4sp	9,12	12,16	-	-	8,13	12,13
	12,15	14	28,30	-	X,Y	12,13
	21	-	-	-	6	8
	17	-	-	-	-	-
EJWJEZ	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	NA
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	NA	NA	31.2,33	6,6	8,8
	17,17	10	NA	NA	2	
EWPF4V	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15		28,30	15,16	X,Y	12+
	21+				6,6	8+
	17,17	10			2	
EX3ZW6	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
EXMFC8	ESI17					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31.2,33	6,6	
	17,17					
F477C9	PowerPlex® Promega ESI-17 Fast					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31.2,33	6,6	
	17,17					
FNVFFU	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

FZBAT9	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,15,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
G94VJ8	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	NA
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	NA	NA	31.2,33	6,6	8,8
	17,17	10	NA	NA	2	
GH7FJE	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
GK8D2U	PowerPlex® Fusion 5C					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17		6,6	8,8
	17,17	10				
GNAFMP	GlobalFiler™ (TrueAllele)					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,[15],16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21,[22]			31.2,33	6	8
	17	10			2	
GXVCTW	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
GZP4WF	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

H8ZNHY	PowerPlex® Fusion (IDX)					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17		6,6	8,8
	17,17	10				
H9UMK4	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
HHXMCQ	GlobalFiler™ (STRmix)					
	12,15.3,16.3	17,19,23,25	10,11	14,16	12	
4sp	9,12	12,14,16	14,16	18,20	8,10,11,13	10,12,13
	12,15	14,15.2	28,30	15,16	X,Y	11,12,13
	21			31.2,33	6	8
	17	10			2	
HJV2PB	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
HY8NUX	GlobalFiler™ (STRMIX)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
J4VHJJ	GlobalFiler™ Plus					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
J64MXT	PowerPlex® ES117 PRO & ESX					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,16	14	18,20		12,13
	12,15	14	28,30	15,16	X,Y	
	21			31.2,33	6	
	17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

J68ADL	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
J6NKAT	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
JLQ9CR	GlobalFiler™						
		15.3,16.3	17,19,[25]	10,11	14,16	12	
	4sp	9,12	12,14,15,16	14	18,20,21	8,11,13	11,12,13
		12,15,18	14	28,30	15,16,17	X,Y	12,13
		21			27.2,31.2,33	6,[7,8]	8
	17	NR			2		
JVGP8M	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,14,16	14	18,20	8,13	12,13
		12,15	14,15.2	28,30	15,16,17	X,Y	12,13
		21			31.2,33	6,8	8
	17	10			2		
K226D7	Investigator® 24plex QS (Bulletproof)						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31.2,33	6,6	8,8
	17,17	10					
KH8L7P	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,[11],12	12,[14],[15],16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16,[17]	X,Y	12,13
		21,[24]			[19],31.2,33	6	8
	17	10			2		
KJPKG3	GlobalFiler™						
		(12),15.3,16.3	17,19,(23),(25)	10,11	14,16	12,12	
	4sp	9,(11),12	12,(14),(15),16	14,14,(16)	18,20	8,(10),(11),13	(10),12,13
		12,15	14,14	28,30	15,16,(17)	X,Y	(11),12,13
		21,21			(19),(27.2),31.2,33	6,6	8,8
	17,17	10			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

KRCFFH	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	4sp	9,12	12,[15],16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			2		
L7R6NJ	GlobalFiler™ (STRmix)						
	15.3,16.3	17,19	10,11	14,16	12,12		
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10			2		
LAEHV2	GlobalFiler™ (STRmix)						
	15.3,16.3	17,19	10,11	14,16	12,12		
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13	
	21,21			31.2,33	6,6	8,8	
	17,17	10			2		
LAUYN9	Identifiler® Plus						
		17,19		14,16	12		
	4sp	9,12	12,16		8,13	12,13	
	12,15	14	28,30		X,Y	12,13	
	21				6	8	
	17						
LDFEKW	GlobalFiler™						
	12,15.3,16.3	17,19	10,11	14,16	12		
	4sp	9,12	12,16	14,16	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			2		
LFJJRP	GlobalFiler™ (STRmix)						
	12,15,15.3,16.3	17,19,23,25	10,11	14,16	12		
	4sp	9,12	12,15,16	14	18,19,20,21	8,10,11,13	10,12,13
	12,15	14,15.2	28,29,30	15,16,17	X,Y	11,12,13	
	21,24			19,31.2,33	6,7,8	8	
	17	10			2		
LGC8EQ	GlobalFiler™						
	15.3,16.3	17,19	10,11	14,16	12		
	4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13	
	21			31.2,33	6	8	
	17	10			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

LHAKXD	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
LHN89Z	Identifiler® Plus						
			17,19		14,16	12	
	4sp	9,12	12,16			8,13	12,13
		12,15	14	28,30		X,Y	12,13
		21				6	8
	17						
LLBJEX	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
M3MUBF	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
MCYXPU	PowerPlex® 21 (STRmix)						
					14,NR	12,NR	19,NR
	4sp					8,13	
			14,NR	28,NR		NR,Y	12,NR
		21,NR				6,NR	8,NR
	17,NR						
MDTL74	PowerPlex® Fusion 6C						
		12,15,15.3,16.3	17,19,23,25	10,11	14,16	12,13	
	4sp	9,11,12	12,14,15,16	14,15,16	18,19,20,21	8,10,11,13	10,11,12,13
		12,15,18	14,15.2	28,29,30,34	15,16,17	X,Y	11,12,13
		21,22,24	2.2,9,12	5,13,17	19,27,2,31,2,33	6,7,8	8
	16,17	10	17,18	16			
MFJMA7	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,[14],[15],16	14	18,20	8,13	[10],12,13
		12,15	14	28,30	15,16,[17]	X,Y	12,13
		21			31.2,33	6	8
	17	10			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

MPXZVF	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31.2,33	6,6	8,8
	17,17	10			2		
MXVFTZ	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,11,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
N684XL	GlobalFiler™						
		15.3,16.3	17,19,[23]	10,11	14,16	12,[13]	
	4sp	9,12	12,[14],[15],16	14	18,20,[21]	8,13	12,13
		12,15,[18]	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6,[8]	8
	17	10			2		
NVLX6N	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,[15],16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
NXDY6K	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19,23,25	10,11	14,16	12	
	4sp	9,12	12,15,16	14	18,20	8,13	12,13
		12,15	14,15.2	28,30	15,16	X,Y	12,13
		21,24			31.2,33	6,7,8	8
	17	10			2		
PBU992	PowerPlex® ESI FAST						
		15.3,16.3	17,19	10,11	14,16		
	4sp		12,16	14,14	18,20		12,13
		12,15	14,14	28,30	15,16	X,Y	
		21,21			31.2,33	6,6	
	17,17						
PEEXTE	PowerPlex® Fusion						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21	9,12	5,17		6	8
	17	10					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PF9U8Z	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
PFN2MQ	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
PMNPX3	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
PQB33Z	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19,[23]	10,11	14,16	12	
4sp	9,12	12,15,16	14	18,20	8,[11],13	12,13
	12,15,[18]	14	28,30,[34]	15,16,[17]	X,Y	12,13
	21,[24]			[19],31.2,33	6	8
	17	10			2	
PXD2M3	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16		
R7UGDA	NGM SElect					
	15.3,16.3	17,19	10,11	14,16		
4sp		12,[15],16	14,14	18,20		12,13
	12,15	14,14	28,30	15,16	X,Y	
	21,21			31.2,33	6,6	
	17,17					
RB974Y	PowerPlex® Fusion 6C					
	15.3,16.3	17,19	10,11	14,16	12	N/A
4sp	9,12	12,15,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17	31.2,33	6	8
	17	10	17,18	16	N/A	

TABLE 1

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

Item 4sp - STR Results

RQWRW4	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,12,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	[16],17	10			2	
RYTK8J	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
	4sp 9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
TARKH2	Identifiler® Plus					
		17,19		14,16	12	
	4sp 9,12	12,16			8,13	12,13
	12,15	14	28,30		X,Y	12,13
	21				6	8
	17					
THH88C	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
TWZVKG	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19,23,25	10,11	14,16	12,13	
	4sp 9,12	12,16	14,16	18,20	8,11,13	12,13
	12,15	14,15.2	28,30	15,16	X,Y	12,13
	21,24			19,31.2,33	6,8	8
	17	10			2	
U74A29	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12,12	
	4sp 9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21			31.2,33	6,6	8,8
	17,17	10			2	
UHYJPH	GlobalFiler™ Express (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12,13	
	4sp 9,12	12,15,16	14	18,20	8,11,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

UJFY	PowerPlex® Fusion 6C					
	15,3,16,3	17,19	10,11	14,16	12,12	
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	9,12	5,17	31,2,33	6,6	8,8
	17,17	10	17	16		
UKM74Q	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
V6PFMK	GlobalFiler™ (STRmix)					
	15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			19,31,2,33	6	8
	17	10			2	
V8Y9V2	GlobalFiler™					
	15,3,16,3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14,[16]	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31,2,33	6	8
	17	10			2	
VN6JRK	Identifiler® Plus					
		17,19		14,16	12	
4sp	9,12	12,16			8,13	12,13
	12,15	14	28,30		X,Y	12,13
	21				6	8
	17					
VPH4CU	Identifiler® Plus					
	-	17,19	-	14,16	12	-
4sp	9,12	12,16	-	-	8,13	12,13
	12,15	14	28,30	-	X,Y	12,13
	21	-	-	-	6	8
	17	-	-	-	-	
VURHTT	Identifiler® Plus					
		17,19		14,16	12,12	
4sp	9,12	12,16			8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21				6,6	8,8
	17,17					

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WYNNL	Identifiler® Plus					
		17,19		14,16	12,12	
4sp	9,12	12,16			8,13	12,13
	12,15	14,14	28,30		X,Y	12,13
	21,21				6,6	8,8
	17,17					
YGVUG	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
W4QF8	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
WQKLMV	Identifiler®, Investigator® 24plex QS					
	15.3,16.3	17,19	10,11	14,16	12,12	N/A
4sp	9,12	12,16	14,14	18,20	8,13	12,13
	12,15	14,14	28,30	15,16	X,Y	12,13
	21,21	N/A	N/A	31.2,33	6,6	8,8
	17,17	10	N/A	N/A	N/A	
WQM93N	PowerPlex® Plus					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
WU8YTT	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	10,12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
X9H2ML	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XACRQF	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,[15],16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21			31.2,33	6,6	8,8
	17,17	10			2		
XGAGA6	GlobalFiler™						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
XKBFRP	GlobalFiler™ (STRmix)						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21			31.2,33	6	8
	17	10			2		
XQMGWT	PowerPlex® Fusion 6C						
		15.3,16.3	17,19	10,11	14,16	12,12	
	4sp	9,12	12,16	14,14	18,20	8,13	12,13
		12,15	14,14	28,30	15,16	X,Y	12,13
		21,21	9,12	5,17	31.2,33	6,6	8,8
	17,17	10	17	16			
XVWD4	PowerPlex® 16 ESI Fast						
		15.3,16.3	17,19	10,11	14,16		
	4sp		12,(14,15),16	14,14	18,20		12,13
		12,15	14,14	28,30	15,16	X,Y	
		21,21				6,6	
	17,17						
Y6HDJJ	PowerPlex® Fusion 5C						
		15.3,16.3	17,19	10,11	14,16	12	
	4sp	9,12	12,16	14	18,20	8,13	12,13
		12,15	14	28,30	15,16	X,Y	12,13
		21	9,12	5,17		6	8
	17	10					
YBHW9	GlobalFiler™ (STRmix)						
		15,15.3,16.3	17,19,23,25	10,11	14,16	12	
	4sp	9,11,12	12,15,16	14	18,19,20	8,13	10,12,13
		12,15	14,15.2	28,30	15,16	X,Y	12,13
		21			31.2,33	6,7,8	8
	17	10			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

YTNWUJ	PowerPlex® Fusion					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21	9,12	5,17		6	8
	17	10				
YW3NPH	GlobalFiler™ (STRmix)					
	12,15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,15,16	14,16	18,20	8,11,13	12,13
	12,15	14	28,30,34	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZG9JWE	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZLZQEM	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZUDP38	GlobalFiler™ (STRmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,10,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	
ZVLUHG	Identifiler® Plus					
	-	17,19	-	14,16	12	-
4sp	9,12	12,16	-	-	8,13	12,13
	12,15	14	28,30	-	X,Y	12,13
	21	-	-	-	6	8
	17	-	-	-	-	
ZY7K9K	GlobalFiler™ (strmix)					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			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

ZYA8ND	GlobalFiler™					
	15.3,16.3	17,19	10,11	14,16	12	
4sp	9,12	12,16	14	18,20	8,13	12,13
	12,15	14	28,30	15,16	X,Y	12,13
	21			31.2,33	6	8
	17	10			2	

YSTR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - YSTR Results

2CNT7A	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12
2N26LD	PowerPlex® Y 23									
			15	17,18	13	31	21	10	11	14
	1	14	11	12	21		16	16		25
			11	11	18	16		20	13	12
2PCZY6	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12
38XUFL	Yfiler™									
			15	17,18	13	31	21	10	11	14
	1	14	11	12	21		16	16		
								20		12
3FHE7C	PowerPlex® Y 23									
			15	17,18	13	31	21	10	11	14
	1	14	11	12	21		16	16		25
			11	11	18	16		20	13	12
3VWKD6	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12
3YG8GP	Yfiler™									
		N/A	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	N/A	16	16	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
446AYF	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12
4DEWRG	Yfiler™									
			15	17,18	13	31	21	10	11	14
	1	14	11	12	21		16	16		
								20		12
4TK6J4	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12
4WKEU7	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12
6BL6FA	Yfiler™ Plus									
		38.2,40	15	17,18	13	31	21	10	11	14
	1	14	11	12	21	32	16	16	11	25
		39	11		18	16	21	20		12

TABLE 2

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

Item 1 - YSTR Results

6JEHB4	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
6K947F	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
6P7KJA	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
76V4ZG	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
77RGKN	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
7NQWKF	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
7PKHFR	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
7X2X7F	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
867DZT	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
86A2H8	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
8KYDL2	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
8TTE7L	Yfiler™								
	N/A	15	17,18	13	31	21	10	11	14
	14	11	12	21	N/A	16	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
8UQQP8	PowerPlex® Y 23									
		[14],15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
94UY7T	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
							20		12	
9BAY73	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
9HDUCG	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
							20		12	
9TCJ4Q	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
							20		12	
9VYZDX	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
AFKAWB	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
AFYUMZ	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
B4LXYN	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
							20		12	
B9U4UU	Yfiler™ Plus									
	OL,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
BBJU2	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
BDRPTC	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
							20		12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
BW4K3A	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
CUBUP4	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
CV6KUX	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
DCQMRC	Yfiler™									
	-	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	-	16	16	-	-	
	-	-	-	-	-	-	20	-	-	12
DEE2FM	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
DEGNWZ	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
DHVGRZ	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
ED2PDB	Yfiler™									
	-	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	-	16	16	-	-	
	-	-	-	-	-	-	20	-	-	12
EVJWEZ	Yfiler™									
	NA	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	NA	16	16	NA	NA	
	NA	NA	NA	NA	NA	NA	20	NA	NA	12
EX3ZW6	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
G94VJ8	Yfiler™									
	NA	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	NA	16	16	NA	NA	
	NA	NA	NA	NA	NA	NA	20	NA	NA	12
GK8D2U	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12

TABLE 2

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

Item 1 - YSTR Results

GNAFMP	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
GXVCTW	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
GZP4WF	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
H8ZNHY	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
H9UMK4	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12
HHXMCQ	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
HJV2PB	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12
J4VHJJ	Yfiler™ Plus								
	R,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
J64MXT	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
J68ADL	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
J6NKAT	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
JVGP8M	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
K226D7	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
KQ2LUQ	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
KRCFFH	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
KUZWQQ	Yfiler™ Plus									
	38,2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
LAUYN9	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20		12	
LFJJRP	Yfiler™ Plus									
	38,2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
LGC8EQ	Yfiler™ Plus									
	38,2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
LHAKXD	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20		12	
LHN89Z	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20		12	
M3MUBF	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
M9VZ8L	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
MDTL74	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20		12	

TABLE 2

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

Item 1 - YSTR Results

N684XL	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
NVLX6N	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
NXDY6K	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
PF9U8Z	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12
PMNXP3	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12
PXD2M3	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12
Q9HXMH	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
RB974Y	Yfiler™								
	N/A	15	17,18	13	31	21	10	11	14
	14	11	12	21	N/A	16	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
RYTK8J	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
TARKH2	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12
TWZVKG	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
UJFYJY	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
						20			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
UKM74Q	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
V6PFMK	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12
VPH4CU	Yfiler™									
	-	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	-	16	16	-	-	
	-	-	-	-	-	-	20	-	-	12
VURHTT	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11		25
	39	11		18	16	21	20			12
VWYNLL	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12
YGVUVG	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11		25
	39	11		18	16	21	20			12
W4QFE8	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12
WQKLMV	Yfiler™									
	N/A	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	N/A	16	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	N/A	12
WQM93N	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11		25
	39	11		18	16	21	20			12
X9H2ML	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11		25
	39	11		18	16	21	20			12
XACRQF	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12
XGAGA6	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
XKBFPR	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
XQMGWT	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
Y6HDJJ	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
YBHW9	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
YPXW88	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			25
		11	11	18	16		20	13		12
YTNWUJ	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
ZTGATV	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12
ZUDP38	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20			12
ZVLUHG	Yfiler™									
	-	15	17,18	13	31	21	10	11	14	
1	14	11	12	21	-	16	16	-	-	
	-	-	-	-	-	-	20	-	-	12
ZY7K9K	Yfiler™									
		15	17,18	13	31	21	10	11	14	
1	14	11	12	21		16	16			
							20			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
2CNT7A	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
2N26LD	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
2PCZY6	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
38XUFL	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
							25		12	
3FHE7C	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
3VWKD6	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
3YG8GP	Yfiler™									
	N/A	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	N/A	14	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	12	
446AYF	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
4DEWRG	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
							25		12	
4TK6J4	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
4WKEU7	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
6BL6FA	Yfiler™ Plus									
	36,36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	

TABLE 2

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

Item 2 - YSTR Results

6JEHB4	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
2	37	12		17	16	22	25		12
6K947F	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
2	37	12		17	16	22	25		12
6P7KJA	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
2	37	12		17	16	22	25		12
76V4ZG	Yfiler™								
		14	11,14	13	29	24	10	13	13
	15	12	11	20		14	18		22
2						25			12
77RGKN	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
2	37	12		17	16	22	25		12
7NQWKF	Yfiler™								
		14	11,14	13	29	24	10	13	13
	15	12	11	20		14	18		22
2						25			12
7PKHFR	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
2	37	12		17	16	22	25		12
7X2X7F	Yfiler™								
		14	11,14	13	29	24	10	13	13
	15	12	11	20		14	18		22
2						25			12
867DZT	Yfiler™								
		14	11,14	13	29	24	10	13	13
	15	12	11	20		14	18		22
2						25			12
86A2H8	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	15	12	11	20	28	14	18	11	22
2	37	12		17	16	22	25		12
8KYDL2	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	15	12	11	20		14	18		22
2		12	13	17	16		25	10	12
8TTE7L	Yfiler™								
	N/A	14	11,14	13	29	24	10	13	13
	15	12	11	20	N/A	14	18	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
8UQQP8	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
		12	13	17	16		25	10	12
94UY7T	Yfiler™								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
							25		12
9BAY73	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
2	15	12	11	20	28	14	18	11	22
	37	12		17	16	22	25		12
9HDUCG	Yfiler™								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
							25		12
9TCJ4Q	Yfiler™								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
							25		12
9VYZDX	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
		12	13	17	16		25	10	12
AFKAWB	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
2	15	12	11	20	28	14	18	11	22
	37	12		17	16	22	25		12
AFYUMZ	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
2	15	12	11	20	28	14	18	11	22
	37	12		17	16	22	25		12
B4LXYN	Yfiler™								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
							25		12
B9U4UU	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
2	15	12	11	20	28	14	18	11	22
	37	12		17	16	22	25		12
BBJTU2	Yfiler™ Plus								
	36,36	14	11,14	13	29	24	10	13	13
2	15	12	11	20	28	14	18	11	22
	37	12		17	16	22	25		12
BDRPTC	Yfiler™								
		14	11,14	13	29	24	10	13	13
2	15	12	11	20		14	18		22
							25		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
BW4K3A	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25			12
CUBUP4	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25			12
CV6KUX	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
DCQMRC	Yfiler™									
	-	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	-	14	18	-	-	
	-	-	-	-	-	-	25	-	-	12
DEE2FM	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25			12
DEGNWZ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
DHVGRZ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
ED2PDB	Yfiler™									
	-	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	-	14	18	-	-	
	-	-	-	-	-	-	25	-	-	12
EVJWEZ	Yfiler™									
	NA	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	NA	14	18	NA	NA	
	NA	NA	NA	NA	NA	NA	25	NA	NA	12
EX3ZW6	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
G94VJ8	Yfiler™									
	NA	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	NA	14	18	NA	NA	
	NA	NA	NA	NA	NA	NA	25	NA	NA	12
GK8D2U	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			22
		12	13	17	16		25	10		12

TABLE 2

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

Item 2 - YSTR Results

GNAFMP	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
GXVCTW	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		22
		12	13	17	16		25	10	12
GZP4WF	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
H8ZNHY	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		22
		12	13	17	16		25	10	12
H9UMK4	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12
HHXMCQ	Yfiler™ Plus								
	36,36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
HJV2PB	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12
J4VHJJ	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
J64MXT	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		22
		12	13	17	16		25	10	12
J68ADL	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		22
		12	13	17	16		25	10	12
J6NKAT	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
JVGP8M	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
K226D7	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
KQ2LUQ	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
KRCFFH	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
KUZWQQ	Yfiler™ Plus									
	36,36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
LAUYN9	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25		12	
LFJJRP	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
LGC8EQ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
2	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
LHAKXD	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25		12	
LHN89Z	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25		12	
M3MUBF	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
M9VZ8L	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
MDTL74	Yfiler™									
		14	11,14	13	29	24	10	13	13	
2	15	12	11	20		14	18			
							25		12	

TABLE 2

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

Item 2 - YSTR Results

N684XL	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
NVLX6N	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
NXDY6K	Yfiler™ Plus								
	36,36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
PF9U8Z	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12
PMNXP3	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12
PXD2M3	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12
Q9HXMH	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		22
		12	13	17	16	25	10		12
RB974Y	Yfiler™								
	N/A	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	N/A	14	18	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	12
RYTK8J	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
TARKH2	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12
TWZVKG	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	11
	37	12		17	16	22	25		12
UJFJYY	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		
						25			12

TABLE 2

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

Item 2 - YSTR Results

UKM74Q	Yfiler™	14	11,14	13	29	24	10	13	13
2		15	12	11	20	14	18		
							25		12
V6PFMK	PowerPlex® Y 23	14	11,14	13	29	24	10	13	13
2		15	12	11	20	14	18		22
			12	13	17	16	25	10	12
VPH4CU	Yfiler™	14	11,14	13	29	24	10	13	13
2		15	12	11	20	-	14	18	-
		-	-	-	-	-	25	-	12
VURHTT	Yfiler™ Plus	36,36	14	11,14	13	29	24	10	13
2		15	12	11	20	28	14	18	11
		37	12		17	16	22	25	12
VWYNLL	PowerPlex® Y 23	14	11,14	13	29	24	10	13	13
2		15	12	11	20	14	18		22
			12	13	17	16	25	10	12
YGVUVG	Yfiler™ Plus	36	14	11,14	13	29	24	10	13
2		15	12	11	20	28	14	18	11
		37	12		17	16	22	25	12
W4QFE8	PowerPlex® Y 23	14	11,14	13	29	24	10	13	13
2		15	12	11	20	14	18		22
			12	13	17	16	25	10	12
WQKLMV	Yfiler™	N/A	14	11,14	13	29	24	10	13
2		15	12	11	20	N/A	14	18	N/A
		N/A	N/A	N/A	N/A	N/A	25	N/A	12
WQM93N	Yfiler™ Plus	36	14	11,14	13	29	24	10	13
2		15	12	11	20	28	14	18	11
		37	12		17	16	22	25	12
X9H2ML	Yfiler™ Plus	36	14	11,14	13	29	24	10	13
2		15	12	11	20	28	14	18	11
		37	12		17	16	22	25	12
XACRQF	PowerPlex® Y 23	14	11,14	13	29	24	10	13	13
2		15	12	11	20	14	18		22
			12	13	17	16	25	10	12
XGAGA6	PowerPlex® Y 23	14	11,14	13	29	24	10	13	13
2		15	12	11	20	14	18		22
			12	13	17	16	25	10	12

TABLE 2

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

Item 2 - YSTR Results

XKBFRP	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		12
							25		
XQMGWT	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		12
							25		
Y6HDJJ	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	22
	37	12		17	16	22	25		12
YBHW9	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	22
	37	12		17	16	22	25		12
YPXW88	PowerPlex® Y 23								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		22
		12	13	17	16		25	10	12
YTNWUJ	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	22
	37	12		17	16	22	25		12
ZTGATV	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		12
							25		
ZUDP38	Yfiler™ Plus								
	36	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	28	14	18	22
	37	12		17	16	22	25		12
ZVLUHG	Yfiler™								
	-	14	11,14	13	29	24	10	13	13
	2	15	12	11	20	-	14	18	-
	-	-	-	-	-	-	25	-	12
ZY7K9K	Yfiler™								
		14	11,14	13	29	24	10	13	13
	2	15	12	11	20	14	18		12
							25		

TABLE 2

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

Item 3 - YSTR Results

2CNT7A	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
2N26LD	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
3		11	11	18	16		20	13	12
2PCZY6	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
3FHE7C	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
3		11	11	18	16		20	13	12
3VWKD6	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
3YG8GP	Yfiler™								
	N/A	15	17,18	13	31	21	10	11	14
	14	11	12	21	N/A	16	16	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
446AYF	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
4DEWRG	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		
3						20		12	
4TK6J4	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
4WKEU7	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
6JEHB4	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12
6K947F	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
3	39	11		18	16	21	20		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3 - YSTR Results										
6P7KJA	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
76V4ZG	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16			
							20		12	
77RGKN	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
7NQWKF	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16			
							20		12	
7X2X7F	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16			
							20		12	
867DZT	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16			
							20		12	
86A2H8	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	
8KYDL2	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
8TTE7L	Yfiler™									
	N/A	15	17,18	13	31	21	10	11	14	
3	14	11	12	21	N/A	16	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12	
8UQQP8	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16		25	
		11	11	18	16		20	13	12	
94UY7T	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3	14	11	12	21		16	16			
							20		12	
9BAY73	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3	14	11	12	21	32	16	16	11	25	
	39	11		18	16	21	20		12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3 - YSTR Results										
9HDUCG	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16			
							20		12	
9TCJ4Q	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16			
							20		12	
9VYZDX	PowerPlex® Y 23									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16		25	
		11	11	18	16		20	13	12	
AFKAWB	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3		14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12	
AFYUMZ	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3		14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12	
B4LXYN	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16			
							20		12	
B9U4UU	Yfiler™ Plus									
	OL,40	15	17,18	13	31	21	10	11	14	
3		14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12	
BDRPTC	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16			
							20		12	
BW4K3A	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16			
							20		12	
CUBUP4	Yfiler™									
		15	17,18	13	31	21	10	11	14	
3		14	11	12	21	16	16			
							20		12	
CV6KUX	Yfiler™ Plus									
	38.2,40	15	17,18	13	31	21	10	11	14	
3		14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12	
DCQMRC	Yfiler™									
	-	15	17,18	13	31	21	10	11	14	
3		14	11	12	21	-	16	16	-	-
	-	-	-	-	-	-	20	-	12	

TABLE 2

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

Item 3 - YSTR Results

DEE2FM	Yfiler™								
		15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		
							20		12
DEGNWZ	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
3		14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
DHVGRZ	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
3		14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
ED2PDB	Yfiler™								
	-	15	17,18	13	31	21	10	11	14
3		14	11	12	21	-	16	16	-
	-	-	-	-	-	-	20	-	12
EVJWEZ	Yfiler™								
	NA	15	17,18	13	31	21	10	11	14
3		14	11	12	21	NA	16	16	NA
	NA	NA	NA	NA	NA	NA	20	NA	12
EX3ZW6	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
3		14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
G94VJ8	Yfiler™								
	NA	15	17,18	13	31	21	10	11	14
3		14	11	12	21	NA	16	16	NA
	NA	NA	NA	NA	NA	NA	20	NA	12
GK8D2U	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
3		14	11	12	21		16	16	25
		11	11	18	16		20	13	12
GNAFMP	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
3		14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
GXVCTW	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
3		14	11	12	21		16	16	25
		11	11	18	16		20	13	12
GZP4WF	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
3		14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
H8ZNHY	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
3		14	11	12	21		16	16	25
		11	11	18	16		20	13	12

TABLE 2

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

Item 3 - YSTR Results

H9UMK4	Yfiler™	15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		12
							20		
HHXMCQ	Yfiler™ Plus	15	17,18	13	31	21	10	11	14
3	38,2,40	14	11	12	21	32	16	16	11
		39	11		18	16	21	20	12
J4VHJJ	Yfiler™ Plus	15	17,18	13	31	21	10	11	14
3	R,40	14	11	12	21	32	16	16	11
		39	11		18	16	21	20	12
J64MXT	PowerPlex® Y 23	15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		25
			11	11	18	16	20	13	12
J6NKAT	Yfiler™ Plus	15	17,18	13	31	21	10	11	14
3	38,2,40	14	11	12	21	32	16	16	11
		39	11		18	16	21	20	12
JVGP8M	Yfiler™ Plus	15	17,18	13	31	21	10	11	14
3	38,2,40	14	11	12	21	32	16	16	11
		39	11		18	16	21	20	12
K226D7	PowerPlex® Y 23	15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		25
			11	11	18	16	20	13	12
KQ2LUQ	PowerPlex® Y 23	15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		25
			11	11	18	16	20	13	12
KRCFFH	PowerPlex® Y 23	15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		25
			11	11	18	16	20	13	12
KUZWQQ	Yfiler™ Plus	15	17,18	13	31	21	10	11	14
3	38,2,40	14	11	12	21	32	16	16	11
		39	11		18	16	21	20	12
LAUYN9	Yfiler™	15	17,18	13	31	21	10	11	14
3		14	11	12	21	16	16		12
							20		
LFJJRP	Yfiler™ Plus	15	17,18	13	31	21	10	11	14
3	38,2,40	14	11	12	21	32	16	16	11
		39	11		18	16	21	20	12

TABLE 2

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

Item 3 - YSTR Results

LGC8EQ	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
LHAKXD	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
LHN89Z	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
M9VZ8L	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12
MDTL74	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
N684XL	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
NVLX6N	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
NXDY6K	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
PF9U8Z	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
PMNPX3	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
PXD2M3	Yfiler™								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
						20			12
Q9HXMH	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	14	11	12	21		16	16		25
		11	11	18	16		20	13	12

TABLE 2

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

Item 3 - YSTR Results

RB974Y	Yfiler™								
	N/A	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	N/A	16	16	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
RYTK8J	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
TARKH2	Yfiler™								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	
							20		12
TWZVKG	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
UJFJYY	Yfiler™								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	
							20		12
UKM74Q	Yfiler™								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	
							20		12
V6PFMK	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	25
		11	11	18	16		20	13	12
VPH4CU	Yfiler™								
	-	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	-	16	16	-
	-	-	-	-	-	-	20	-	12
VURHTT	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
VWYNLL	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	25
		11	11	18	16		20	13	12
VYGUVG	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
W4QFE8	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	25
		11	11	18	16		20	13	12

TABLE 2

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

Item 3 - YSTR Results

WQKLMV	Yfiler™								
	N/A	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	N/A	16	16	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
WQM93N	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
X9H2ML	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
XACRQF	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	25
		11	11	18	16		20	13	12
XKBFRP	Yfiler™								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	
							20		12
XQMGWT	Yfiler™								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	
							20		12
Y6HDJJ	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
YBWH9	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
YPXW88	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	25
		11	11	18	16		20	13	12
YTNWUJ	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12
ZTGATV	Yfiler™								
		15	17,18	13	31	21	10	11	14
	3	14	11	12	21		16	16	
							20		12
ZUDP38	Yfiler™ Plus								
	38.2,40	15	17,18	13	31	21	10	11	14
	3	14	11	12	21	32	16	16	11
	39	11		18	16	21	20		12

TABLE 2

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

Item 3 - YSTR Results

Sample	Yfiler™								
ZVLUHG	-	15	17,18	13	31	21	10	11	14
3	14	11	12	21	-	16	16	-	-
	-	-	-	-	-	-	20	-	12
ZY7K9K	Yfiler™								
		15	17,18	13	31	21	10	11	14
3	14	11	12	21		16	16		
							20		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
867DZT	Yfiler™									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14,16	16,18			
							20,25			12
8KYDL2	PowerPlex® Y 23									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14,16	16,18		22,25	
		11,12	11,13	17,18	16		20,25	10,13		12
KQ2LUQ	PowerPlex® Y 23									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14	16,18		22,25	
		11,12	11,13	17,18	16		20,25	10,13		12
KUZWQQ	Yfiler™ Plus									
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25	
	37,39	11,12		17,18	16	21,22	20,25			12
M9VZ8L	PowerPlex® Y 23									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14,16	16,18		22,25	
		11,12	11,13	17,18	16		20,25	10,13		12
Q9HXMH	PowerPlex® Y 23									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14,16	16,18		22,25	
		11,12	11,13	17,18	16		20,25	10,13		12
YPXW88	PowerPlex® Y									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14,16	16,18		22,25	
		11,12	11,13	17,18	16		20,25	10,13		12
ZTGATV	Yfiler™									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4	14,15	11,12	11,12	20,21		14,16	16,18			
							20,25			12

TABLE 2

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

Item 4e - YSTR Results

2CNT7A	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
2N26LD	PowerPlex® Y 23								
		NT	NT	NT	NT	NT	NT	NT	NT
4e	NT	NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT	NT		NT	NT	NT
2PCZY6	Yfiler™ Plus								
	[36],38,2,40	15	[11],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11		[17],18	16	21,[22]	20,[25]		12
3FHE7C	PowerPlex® Y 23								
4e									
3VWKD6	Yfiler™ Plus								
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
3YG8GP	Yfiler™								
	N/A	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	[11],13	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	N/A	[14],16	16,[18]	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20,[25]	N/A	12
446AYF	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
4DEWRG	Yfiler™								
		15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14	11,12	11,12	20,21		14,16	16,18		
							20,25		12
4TK6J4	Yfiler™ Plus								
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
4WKEU7	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
6BL6FA	Yfiler™ Plus								
4e									
6JEHB4	Yfiler™ Plus								
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12

TABLE 2

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

Item 4e - YSTR Results

6K947F	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
6P7KJA	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
76V4ZG	Yfiler™								
		[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21		[14],16	16,[18]		
							20,[25]		12
77RGKN	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
7NQQWF	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
7X2X7F	Yfiler™								
		[14],15	[11],[14],17,18	13,[13]	[29],31	21,[24]	10,[10]	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21		[14],16	16,[18]		
							20,[25]		12,[12]
86A2H8	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
8TTE7L	Yfiler™								
	N/A	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	[11],13	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	N/A	[14],16	16,[18]	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20,[25]	N/A	12
8UQQP8	PowerPlex® Y 23								
4e									
94UY7T	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
9BAY73	Yfiler™ Plus								
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
9HDUCG	Yfiler™								
4e									

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
9TCJ4Q	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		12
							20,25		
9VYZDX	PowerPlex® Y 23								
		14,15	11,14,17,18	13	31	21,24	10	11,13	14
4e	14,15	11	11,12	20,21		16	16,18		22,25
		11,12	11,13	17,18	16		20,25	10,13	12
AFKAWB	Yfiler™ Plus								
	[36],38.2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
AFYUMZ	Yfiler™ Plus								
	[36],38.2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
B4LXYN	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		12
							20,25		
B9U4UU	Yfiler™ Plus								
	36,OL,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
BBJTU2	Yfiler™ Plus								
4e									
BDRPTC	Yfiler™								
		[14],15	[11],[14],17,18	13,[13]	[29],31	21,[24]	10,[10]	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21		[14],16	16,[18]		12,[12]
							20,[25]		
BW4K3A	Yfiler™								
		15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11	11,12	20,21		14,16	16,18		12
							20,25		
CUBUP4	Yfiler™								
4e									
CV6KUX	Yfiler™ Plus								
	36,38.2,40	14,15	14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
DCQMRC	Yfiler™								
	-	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	-	14,16	16,18	-	-
	-	-	-	-	-	-	20,25	-	12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
DEE2FM	Yfiler™								
		15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
DEGNWZ	Yfiler™ Plus								
	[36],38.2,40	[14],15	[11,14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
DHVGRZ	Yfiler™ Plus								
	(36),38.2,40	(14),15	(11),(14),17,18	13	(29),31	21,(24)	10	11,(13)	(13),14
4e	14,(15)	11,(12)	(11),12	(20),21	(28),32	(14),16	16,(18)	11	(22),25
	(37),39	11,(12)		(17),18	16	21,(22)	20,(25)		12
ED2PDB	Yfiler™								
	-	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	-	14,16	16,18	-	-
	-	-	-	-	-	-	20,25	-	12
EVJWEZ	Yfiler™								
	NA	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	NA	[14],16	16,[18]	NA	NA
	NA	NA	NA	NA	NA	NA	20,[25]	NA	12
EX3ZW6	Yfiler™ Plus								
	[36],38.2,40	[14],15	[11,14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
G94VJ8	Yfiler™								
	NA	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	NA	[14],16	16,[18]	NA	NA
	NA	NA	NA	NA	NA	NA	20,[25]	NA	12
GK8D2U	PowerPlex® Y 23								
		[14],15	[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21		[14],16	16,[18]		25
		11	11,[13]	18	16		20,[25]	[10],13	12
GNAFMP	Yfiler™ Plus								
	[36],38.2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
GXVCTW	PowerPlex® Y 23								
4e									
GZP4WF	Yfiler™ Plus								
	[36],38.2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
H8ZNHY	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	14
4e	14	11	12	21		16	16		25
		11	11	18	16		20	13	12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4e - YSTR Results										
H9UMK4	Yfiler™									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4e	14,15	11,12	11,12	20,21		14,16	16,18			
							20,25			12
HHXMCQ	Yfiler™ Plus									
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25	
	37,39	11,12		17,18	16	21,22	20,25			12
J4VHJJ	Yfiler™ Plus									
	[36],R,40	[14],15	[11,14],17,18	13	[29],31	21,[24]	10	11	[13],14	
4e	14,[15]	11,[12]	[11],12	21	[28],32	[14],16	16,[18]	11	[22],25	
	[37],39	11		[17],18	16	21,[22]	20			12
J64MXT	PowerPlex® Y 23									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4e	14,15	11,12	11,12	20,21		14,16	16,18		22,25	
		11,12	11,13	17,18	16		20,25	10,13		12
J68ADL	PowerPlex® Y 23									
4e										
J6NKAT	Yfiler™ Plus									
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14	
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25	
	39	11,[12]		[17],18	16	21,[22]	20,[25]			12
JVGP8M	Yfiler™ Plus									
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25	
	37,39	11,12		17,18	16	21,22	20,25			12
K226D7	PowerPlex® Y 23									
		[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14	
4e	14,[15]	11,[12]	[11],12	[20],21		[14],16	16,[18]		[22],25	
		11,[12]	11,[13]	[17],18	16		20,[25]	[10],13		12
KRCFFH	PowerPlex® Y 23									
		[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	14	
4e	14,[15]	11,[12]	[11],12	[20],21		[14],16	16,[18]		[22],25	
		11,[12]	11,[13]	[17],18	16		20,[25]	[10],13		12
LAUYN9	Yfiler™									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4e	14,15	11,12	11,12	20,21		14,16	16,18			
							20,25			12
LFJJRP	Yfiler™ Plus									
	[36],38,2,40	[14],15	17,18	13	[29],31	21,[24]	10	11,[13]	14	
4e	14,[15]	11,[12]	12	21	32	[14],16	16,[18]	11	25	
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]			12
LGC8EQ	Yfiler™ Plus									
	[36],38,2,40	[14],15	[11,14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14	
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25	
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]			12

TABLE 2

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

Item 4e - YSTR Results

LHAKXD	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
LHN89Z	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
M3MUBF	PowerPlex® Y 23								
4e									
MDTL74	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
N684XL	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
NVLX6N	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11,14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
NXDY6K	Yfiler™ Plus								
	36,38,2,40	14,15	14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
PF9U8Z	Yfiler™								
4e									
PMNPX3	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
PXD2M3	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12
RB974Y	Yfiler™								
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RYTK8J	Yfiler™ Plus								
	38,2,40	15	17,18	13	31	21	10	11	14
4e	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
TARKH2	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		12
							20,25		
TWZVKG	Yfiler™ Plus								
	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
UJFJYY	Yfiler™								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		12
							20,25		
UKM74Q	Yfiler™								
		14,15	11,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		12
							20,25		
V6PFMK	PowerPlex® Y 23								
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21		14,16	16,18		22,25
		11,12	11,13	18	16		20,25	10,13	12
VPH4CU	Yfiler™								
	-	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
4e	14,15	11,12	11,12	20,21	-	14,16	16,18	-	-
	-	-	-	-	-	-	20,25	-	12
VURHTT	Yfiler™ Plus								
	INC	15	17,18	13	31	21	10	11	14
4e	14	11	12	21	32	16	16	11	25
	39	11		18	16	21	20		12
VWYNLL	PowerPlex® Y 23								
4e									
YGVUGV	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11,14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	39	11,[12]		[17],18	16	21,[22]	20,[25]		12
WQKLMV	Yfiler™								
	N/A	15	17,18	13	[29],31	21	10	11	[13],14
4e	14	11,[12]	[11],12	21	N/A	16	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	20	N/A	12
WQM93N	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
X9H2ML	Yfiler™ Plus								
	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
4e	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12

TABLE 2

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

Item 4e - YSTR Results

XACRQF	PowerPlex® Y 23								
4e	[REDACTED]								
XGAGA6	PowerPlex® Y 23								
4e	[REDACTED]								
XKBFPR	Yfiler™								
4e	15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
	14,15	11,12	11,12	20,21	14,16	16,18			
						20,25			12
XQMGWT	Yfiler™								
4e	[REDACTED]								
Y6HDJJ	Yfiler™ Plus								
4e	[36],38,2,40	[14],15	[11],[14],17,18	13	[29],31	21,[24]	10	11,[13]	[13],14
	14,[15]	11,[12]	[11],12	[20],21	[28],32	[14],16	16,[18]	11	[22],25
	[37],39	11,[12]		[17],18	16	21,[22]	20,[25]		12
YBWHW9	Yfiler™ Plus								
4e	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20		12
YTNWUJ	Yfiler™ Plus								
4e	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	14
	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20		12
ZUDP38	Yfiler™ Plus								
4e	36,38,2,40	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
	14,15	11,12	11,12	20,21	28,32	14,16	16,18	11	22,25
	37,39	11,12		17,18	16	21,22	20,25		12
ZVLUHG	Yfiler™								
4e	-	14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14
	14,15	11,12	11,12	20,21	-	14,16	16,18	-	-
	-	-	-	-	-	-	20,25	-	12
ZY7K9K	Yfiler™								
4e	14,15	11,12	11,14,17,18	13	29,31	21,24	10	11,13	13,14
	14,15	11,12	11,12	20,21		14,16	16,18		
							20,25		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
2CNT7A	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
2N26LD	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18		22	
		12	13	17	16		25	10	12	
2PCZY6	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
3FHE7C	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18		22	
		12	13	17	16		25	10	12	
3VWKD6	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
3YG8GP	Yfiler™									
	N/A	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	N/A	14	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	12	
446AYF	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
4DEWRG	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	16,18			
							25		12	
4TK6J4	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
4WKEU7	Yfiler™ Plus									
	36	14,[15]	11,14,[17]	13	29	24	10	[11],13	13	
4sp	15	12	11	20	28	14	[16],18	11	22	
	37	12		17,[18]	16	[21],22	[20],25		12	
6BL6FA	Yfiler™ Plus									
	36,[38.2]	14,[15]	11,14,[17],[18]	13	29,[31]	24	10	[11],13	13,[14]	
4sp	[14],15	12	11	20	28,[32]	14,[16]	[16],18	11	22,[25]	
	37	12		17,[18]	16	22	[20],25		12	
6JEHB4	Yfiler™ Plus									
	36,40	14	11,14,17	13	29,31	24	10	11,13	13	
4sp	14,15	12	11,12	20	28,32	14,16	16,18	11	22	
	37	11,12		17	16	22	20,25		12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
6K947F	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
6P7KJA	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
76V4ZG	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	
77RGKN	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
7NQWKF	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	
7X2X7F	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	
86A2H8	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
8TTE7L	Yfiler™									
	N/A	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	N/A	14	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	12	
8UQQP8	PowerPlex® Y 23									
		14	11,14,[17]	13	29	24	10	13	13	
4sp	15	12	11	20		14,[16]	18		22	
		12	13	17	16		[20],25	10	12	
94UY7T	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	
9BAY73	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
9HDUCG	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
9TCJ4Q	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
9VYZDX	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
AFKAWB	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11		22
	37	12		17	16	22	25			12
AFYUMZ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11		22
	37	12		17	16	22	25			12
B4LXYN	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
B9U4UU	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11		22
	37	12		17	16	22	25			12
BBJTU2	Yfiler™ Plus									
	36,36,[38.2], [40]	14,[15]	11,14,[17],[18]	13	29,[31]	[21],24	10	[11],13	13,[14]	
4sp	[14],15	[11],12	11,[12]	20,[21]	28,[32]	14,[16]	[16],18	11	22,[25]	
	37,[39]	[11],12		17,[18]	16	[21],22	[20],25			12
BDRPTC	Yfiler™									
		14,[15]	11,14	13	29	24	10	13	13	
4sp	15	[11],12	11	20		14	[16],18			
							25			12
BW4K3A	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
CUBUP4	Yfiler™									
		14,15	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14,16	16,18			
							25			12
CV6KUX	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11		22
	37	12		17	16	22	25			12
DCQMRC	Yfiler™									
	-	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	-	14	18	-	-	
	-	-	-	-	-	-	25	-	-	12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
DEE2FM	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
DEGNWZ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
DHVGRZ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
ED2PDB	Yfiler™									
	-	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	-	14	18	-	-	
	-	-	-	-	-	-	25	-		12
EVJWEZ	Yfiler™									
	NA	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	NA	14	18	NA	NA	
	NA	NA	NA	NA	NA	NA	25	NA		12
EX3ZW6	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	[20],25			12
G94VJ8	Yfiler™									
	NA	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	NA	14	18	NA	NA	
	NA	NA	NA	NA	NA	NA	25	NA		12
GK8D2U	PowerPlex® Y 23									
		14	11,14,[17]	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		[11],12	13	17	16		25	10		12
GNAFMP	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11,[12]	20	28	14	18	11	22,[25]	
	37	12		17	16	22	[20],25			12
GXVCTW	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
GZP4WF	Yfiler™ Plus									
4sp										
H8ZNHY	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
H9UMK4	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
HHXMCQ	Yfiler™ Plus									
	36,40	14	11,14	13	29	24	10	13	13	
4sp	14,15	12	11,12	20	28	14	18	11	22	
	37	12		17	16	22	25			12
J4VHJJ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
J64MXT	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
J68ADL	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
J6NKAT	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
JVGP8M	Yfiler™ Plus									
	36,36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
K226D7	PowerPlex® Y 23									
			11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
KRCFFH	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
LAUYN9	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
LFJJRP	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	[11],12	11	20	28	14	18	11	22	
	37	12		17	16	[21],22	25			12
LGC8EQ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
LHAKXD	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			12
							25			
LHN89Z	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			12
							25			
M3MUBF	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10	12	
MDTL74	Yfiler™									
		14,15	11,14,17,18	13	29,31	21,24	10	11,13	13,14	
4sp	14,15	11,12	11,12	20,21		14,16	16,18			12
							20,25			
N684XL	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	[11],13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
NVLX6N	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
NXDY6K	Yfiler™ Plus									
	36	14	11,14	13	29	21,24	10	11,13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37,39	12		17	16	22	25			12
PF9U8Z	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			12
							25			
PMNPX3	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			12
							25			
PXD2M3	Yfiler™									
		14	11,14,18	13	29,31	24	10	13	13	
4sp	15	12	11	20		14	18			12
							25			
RB974Y	Yfiler™									
	N/A	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	N/A	14	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	12	
RYTK8J	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
TARKH2	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
TWZVKG	Yfiler™ Plus									
	36	14	11,14	13	29,31	21,24	10	11,13	13	
4sp	15	12	11,12	20	28,32	14,16	16,18	11	22,25	
	37	11,12		17,18	16	22	20,25			12
UJFJYY	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
UKM74Q	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25			12
V6PFMK	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
VPH4CU	Yfiler™									
	-	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	-	14	18	-	-	
	-	-	-	-	-	-	25	-	-	12
VURHTT	Yfiler™ Plus									
	36,36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
VWYNLL	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			22
		12	13	17	16		25	10		12
YGVUGV	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
WQKLMV	Yfiler™									
	N/A	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	N/A	14	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A		12
WQM93N	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12
X9H2ML	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4sp - YSTR Results										
XACRQF	PowerPlex® Y 23									
		14	11,14	13	29	[21],24	10	13	13	
4sp	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
XGAGA6	PowerPlex® Y 23									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18		22	
		12	13	17	16		25	10	12	
XKBFRP	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	
XQMGWT	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	
XVWWD4										
	36	14	11,14	13	29	24	10	(11),13	13	
4sp	(14),15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
Y6HDJJ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
YBWHW9	Yfiler™ Plus									
	36	14	11,14	13	29,31	21,24	10	11,13	13	
4sp	14,15	12	11,12	20	28	14	16,18	11	22	
	37	11,12		17,18	16	22	25		12	
YTNWUJ	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	28	14	18	11	22	
	37	12		17	16	22	25		12	
ZUDP38	Yfiler™ Plus									
	36	14	11,14	13	29	24	10	13	13	
4sp	15	12	11,12	20	28,32	14	18	11	22	
	37	12		17	16	22	25		12	
ZVLUHG	Yfiler™									
	-	14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20	-	14	18	-	-	
	-	-	-	-	-	-	25	-	12	
ZY7K9K	Yfiler™									
		14	11,14	13	29	24	10	13	13	
4sp	15	12	11	20		14	18			
							25		12	

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 4e	Item 4sp
D10S1248	6P4X4G				14,14	
	EXMFC8				14	
D12S391	6P4X4G				18,20	
	EXMFC8				18,20	
D16S539	6P4X4G				12,13	
	EXMFC8				12,13	
D18S51	6P4X4G				12,15	
	EXMFC8				12	
D19S433	6P4X4G				14,14	
D1S1656	6P4X4G				15.3,16.3	
	EXMFC8				15.3,16.3	
D21S11	6P4X4G				28,30	
	EXMFC8				28,30	
D22S1045	6P4X4G				15,16	
	EXMFC8				15	
D2S1338	6P4X4G				17,19	
	EXMFC8				17,19	
D8S1179	6P4X4G				12,16	
	EXMFC8				12,16	
FGA	6P4X4G				21,21	
	EXMFC8				21	
SE33	6P4X4G				31.2,33	
	EXMFC8				31.2,33	
THO1	6P4X4G				6,6	
	EXMFC8				6	
VWA	6P4X4G				17,17	

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
234KLM	No Interp	No Interp	No Interp	No Interp	6P4X4G	Yes	Yes	No	Yes
2CNT7A	Yes	Yes	No	Yes	6P7KJA	Yes	Yes	No	Yes
2DL7PW	Yes	Yes	No	Yes	6RMAFR	Yes	Yes	No	Yes
2N26LD	Yes	Yes	No	Yes	76V4ZG	Yes	Yes	No	Yes
2PCZY6	Yes	Yes	No	Yes	77RGKN	Yes	Yes	No	Yes
38XUFL	No Interpretations Reported, DNA Analyzed for Database purposes only.				7NQWKF	Yes	Yes	No	Yes
3AZQRA	Yes	Yes	No	Yes	7PKHFR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3FHE7C	Yes	Yes	No	Yes	7X2X7F	Yes	Yes	No	Yes
3VWKD6	Yes	Yes	No	Yes	867DZT	Yes	Yes	No	Yes
3YG8GP	Yes	Yes	No	Yes	86A2H8	Yes	Yes	No	Yes
3ZDWMR	No Interp	No Interp	No Interp	No Interp	8KYDL2	Yes	Yes	No	Yes
446AYF	Yes	Yes	No	Yes	8TTE7L	Yes	Yes	No	Yes
4DEWRG	Yes	Yes	No	Yes	8UQQP8	Yes	Yes	No	Yes
4L4HXE	Yes	Yes	No	Yes	8VJFC9	Yes	Yes	No	Yes
4TK6J4	Yes	Yes	No	Yes	8WFAQCH	Yes	Yes	No	Yes
4WKEU7	Yes	Yes	No	Yes	94UY7T	Yes	Yes	No	Yes
69W6TY	Yes	Yes	No	Yes	97HGE6	Yes	Yes	No	Yes
6BL6FA	Yes	Yes	No	Yes	99QTW8	Yes	Yes	No	Yes
6JEHB4	Yes	Yes	No	Yes	9B7CNN	Yes	Yes	No	Yes
6K947F	Yes	Yes	No	Yes	9BAY73	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
9HDUCG	Yes	Yes	No	Yes	DEE2FM	Yes	Yes	No	Yes
9TCJ4Q	Yes	Yes	No	Yes	DEGNWZ	Yes	Yes	No	Yes
9VYZDX	Yes	Yes	No	Yes	DG2LBJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
A86L29	Yes	Yes	No	Yes	DGM6AX	Yes	Yes	No	Yes
AFGP7M	Yes	Yes	No	Yes	DHVGRZ	Yes	Yes	No	Yes
AFKAWB	Yes	Yes	No	Yes	DQB6L2	Yes	Yes	No	Yes
AFYUMZ	Yes	Yes	No	Yes	E8TJG6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
AJF23M	Yes	Yes	No	Yes	ED2PDB	Yes	Yes	No	Yes
ARWN44	Yes	Yes	No	Yes	EVJWEZ	Yes	Yes	No	Yes
B4LXYN	Yes	Yes	No	Yes	EWPF4V	Yes	Yes	No	Yes
B9U4UU	Yes	Yes	No	Yes	EX3ZW6	Yes	Yes	No	Yes
BBJTU2	Yes	Yes	No	Yes	EXMFC8	Yes	Yes	No	Yes
BDRPTC	Yes	Yes	No	Yes	F477C9	Yes	Yes	No	Yes
BRPT8B	Yes	Yes	No	Yes	FNVFFU	Yes	Yes	No	Yes
BW4K3A	Yes	Yes	No	Yes	FZBAT9	No Interp	No Interp	No Interp	No Interp
BXVJF9	Yes	Yes	No	Yes	G94VJ8	Yes	Yes	No	Yes
CFC3NY	Yes	Yes	No	Yes	GGPCFM	Yes	Yes	No	Yes
CUBUP4	Yes	Yes	No	Yes	GH7FJE				
CV6KUX	Yes	Yes	No	Yes	GK8D2U	Yes	Yes	No	Yes
CZYLQ	Yes	Yes	No	Yes	GNAFMP	Yes	Yes	No	Yes
DCQMRC	Yes	Yes	No	Yes	GXVCTW	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
GZP4WF	Yes	Yes	No	Yes	LAUYN9	Yes	Yes	No	Yes
H8ZNHY	Yes	Yes	No	Yes	LDFEKW	No Interp	No Interp	No Interp	No Interp
H9UMK4	Yes	Yes	No	Yes	LFJJRP	Yes	Yes	No	Yes
HHXMCQ	Yes	Yes	No	Yes	LGC8EQ	Yes	Yes	No	Yes
HJV2PB	No Interpretations Reported, DNA Analyzed for Database purposes only.				LHAKXD	Yes	Yes	No	Yes
HVPHEC	No Interpretations Reported, DNA Analyzed for Database purposes only.				LHN89Z	Yes	Yes	No	Yes
HY8NUX	Yes	Yes	No	Yes	LLBJEX	Yes	Yes	No	Yes
J4VHJJ	Yes	Yes	No	Yes	M3MUBF	Yes	Yes	No	Yes
J64MXT	Yes	Yes	No	Yes	M9VZ8L	Yes	Yes	No	Yes
J68ADL	Yes	Yes	No	Yes	MCYXPU	Yes	Yes	No	Yes
J6NKAT	Yes	Yes	No	Yes	MDTL74	Yes	Yes	No	Yes
JLQ9CR	Yes	Yes	No	Yes	MFJMA7	Yes	Yes	No	Yes
JVGP8M	Yes	Yes	No	Yes	MPXZVF	Yes	Yes	No	Yes
K226D7	Yes	Yes	No	Yes	MXVFTZ	No Interp	No Interp	No Interp	No Interp
KH8L7P	Yes	Yes	No	Yes	N684XL	Yes	Yes	No	Yes
KJPKG3	Yes	Yes	No	Yes	NVLX6N	Yes	Yes	No	Yes
KQ2LUQ	Yes	Yes	No	Yes	NXDY6K	Yes	Yes	No	Yes
KRCFFH	Yes	Yes	No	Yes	PBU992	Yes	Yes	No	Yes
KUZWQQ	Yes	Yes	No	Yes	PEEXTE	Yes	Yes	No	Yes
L7R6NJ	Yes	Yes	No	Yes	PF9U8Z	Yes	Yes	No	Yes
LAEHV2	Yes	Yes	No	Yes	PFN2MQ	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
PMNPX3	Yes	Yes	No	Yes	VWYNLL	Yes	Yes	No	Yes
PQB33Z	Yes	Yes	No	Yes	VYGUVG	Yes	Yes	No	Yes
PXD2M3	Yes	Yes	No	Yes	W4QFE8	Yes	Yes	No	Yes
Q9HXMH	Yes	Yes	No	Yes	WQKLMV	Yes	Yes	No	Yes
QJAZM7	No Interpretations Reported, DNA Analyzed for Database purposes only.				WQM93N	Yes	Yes	No	Yes
R7UGDA	Yes	Yes	No	Yes	WU8YTT	Yes	Yes	No	Yes
RB974Y	Yes	Yes	No	Yes	X9H2ML	Yes	Yes	No	Yes
RQWRW4	Yes	Yes	No	Yes	XACRQF	Yes	Yes	No	Yes
RYTK8J	Yes	Yes	No	Yes	XAEE9T	Yes	Yes	No	Yes
TARKH2	Yes	Yes	No	Yes	XFLWU2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
THH88C	Yes	Yes	No	Yes	XGAGA6	Yes	Yes	No	Yes
TWZVKG	Yes	Yes	No	Yes	XKBFRP	Yes	Yes	No	Yes
U74A29	Yes	Yes	No	Yes	XQMGWT	Yes	Yes	No	Yes
UHYJPH	Yes	Yes	No	Yes	XVWD4	Yes	Yes	No	Yes
UJFJYY	Yes	Yes	No	Yes	Y6HDJJ	Yes	Yes	No	Yes
UKM74Q	Yes	Yes	No	Yes	YBWHH9	Yes	Yes	No	Yes
V6PFMK	Yes	Yes	No	Yes	YPXW88	Yes	Yes	No	Yes
V8Y9V2	Yes	Yes	No	Yes	YTNWUJ	Yes	Yes	No	Yes
VN6JRK	Yes	Yes	No	Yes	YW3NPH	Yes	Yes	No	Yes
VPH4CU	Yes	Yes	No	Yes	ZG9JWE	Yes	Yes	No	Yes
VURHTT	Yes	Yes	No	Yes	ZLZQEM	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
ZTGATV	Yes	Yes		Yes					
ZUDP38	Yes	Yes	No	Yes					
ZVLUHG	Yes	Yes	No	Yes					
ZY7K9K	Yes	Yes	No	Yes					
ZYA8ND	Yes	Yes	No	Yes					

DNA Interpretation					
Response Summary	Participants reporting DNA results: 171				
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		157	157	0	157
No		0	0	156	0
Inc		0	0	0	0
No Interpretation		5	5	5	5
No Response		1	1	2	1

Participants analyzing DNA for database purposes only: 8

Additional Comments

TABLE 5

WebCode	Additional Comments
234KLM	Proficiency test for analyst qualified only through quantitation, which excludes performing interpretation.
3FHE7C	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
3ZDWMR	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
76V4ZG	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
7X2X7F	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
8UQQP8	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 1 at locus D21S11 -- There is a minor allele 33, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 33 to allele 34 is 11.40%, exceeding the Laboratory's stutter threshold for this locus of 10.69%. The minor allele 33 is likely to be an elevated stutter. Item 1 at locus DYS19 -- There is a minor allele 14, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 14 to allele 15 is 13.14%, exceeding the Laboratory's stutter threshold for this locus of 11.97%. The minor allele 14 is likely to be an elevated stutter.
9HDUCG	Item 4-e: A potential allele (30.2) that cannot be differentiated from an artifact was observed at locus SE33.
AFGP7M	Per laboratory procedure, a differential extraction was performed on item Q1.3.2 (CTS item 3). The sperm fraction of this item did not get analyzed because no DNA was found at quantification. Therefore, only the epithelial fraction was reported on in this test.
AJF23M	Suspect can be excluded from item 3 based on sample Q1.3.2e. Item Q1.3.2s was an indistinguishable two person mixture not eligible for stats and according to our policy we do not make any conclusions or comparisons as such.
BDRPTC	[] - indicates minor allele(s) and alleles between analytical and stochastic thresholds
DCQMRC	Extraction: 1) Item 1 and Item 2 were extracted using in-situ method. 2) Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: Item 3 and 4 were quantified using Quantifiler Human DNA Quantitation Kit on QuantStudio 5. Amplifications: 1) Item 1 and Item 2 were amplified using the Globalfiler Express kit on Proflex PCR System and AmpFISTR YFiler kit on 9700 GeneAmp PCR System. 2) Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus kit and AmpFISTR YFiler kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL (for Globalfiler Express and AmpFISTR Identifiler Plus) and 3130xL (for AmpFISTR YFiler). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out along with the analysis and all gave the intended results.
ED2PDB	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using chelex extraction method. Item 4 was extracted using differential extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (GlobalFiler Express Kit & Identifiler Plus Kit). Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
EVJWEZ	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. NA - Not Applicable.

TABLE 5

WebCode	Additional Comments
EWPF4V	Item 4 was negative for sperm cells based upon a microscopic examination performed on a cutting from this item during the differential extraction. A low level of male DNA was detected in the sperm fraction, consistent with a low amount of sperm cells present in the sample. Results were not obtained at two of the 24 loci. The remainder of the loci were consistent with the known blood from the male suspect.
EXMFC8	My interpretation for item 4 is that the seminal source is also being detected in the cellular component as a minor contributor. I have listed the alleles that have been detected but my approach would be to use the seminal profile in the interpretation to give confidence to calling the major cellular profile. In my opinion, the blood can be attributed to the victim and the semen to the suspect
FZBAT9	Proficiency test for analyst qualified only through CE set-up, which excludes performing interpretation.
G94VJ8	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
GH7FJE	The known samples (Items 1 and 2) were not profiled and no comparisons were made. Items 3 and 4 were profiled to confirm correct results were obtained by the assigned analyst who is qualified in DNA extraction through quantitation.
GK8D2U	Victim included in epithelial fraction of item 4. Suspect included in sperm fraction of item 4. Victim included in item 3. Suspect excluded in item 3.
GXVCTW	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. Powerplex Fusion 6C is used only for allele verification.
H8ZNHY	-WE PERFORMED GLOBAL FILER FOR ALL SAMPLES AS WELL, ONLY POWERPLEX FUSION RESULTS WERE INCLUDED IN THIS DATA SHEET. -THE BLOOD SPOT ON FTA CARDS WERE HIGHLY CONCENTRATED. -THE TRACES SENT WERE VERY SMALL SO ONLY ONE EXPERT WERE ABLE TO USE THEM, IT IS RECOMMENDED THAT TO SEND DUPLICATES OF THE TRACES TO ALLOW OTHER EXPERTS TO ANALYZE AS WELL.
HJV2PB	No interpretation of the data performed.
J4VHJJ	R - rare allele (used in DYF387S1). [] - weaker alleles.
K226D7	Y-STR allele dropout observed at DYS19 for Item 4 sperm fraction; re-PCR'd sample and obtained allele peak(s) present below laboratory's validated analytical threshold.
KJPKG3	Re the results from Item 3, the following called types were deselected: D21 -33 (as elevated stutter) FGA -25 (height of 66 RFUs and extremely low level in relation to all other types in the profile. Considered to either be forward (+ 4 base pair) stutter or drop-in.

TABLE 5

WebCode	Additional Comments
KUZWQQ	<p>The genetic profile was obtained from the victim's blood sample on FTA paper, marked as item 1(1247/19 I 1), with 23 genetic markers and the amelogenin marker indicating male sex (X, Y). The population index obtained is 1 in 52,748,198,132,854,700,000,000. B) The genetic profile of the suspect's blood sample was obtained on FTA paper, marked as item 2 (1247/19 I 2), with 23 genetic markers and the amelogenin marker indicating male sex (X, Y). The population index obtained is 1 in 35,776,134,543,856,800, 000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000. C) The genetic profile of the blood sample was obtained from the suspect's shirt cloth, marked as item 3(1247/19 IND 3), with 23 genetic markers and the amelogenin marker indicating male sex (X, Y) and given the genetic results obtained is approximately 52, 748, 198, 132, 854, 700, 000, 000 times more likely to explain them, if the genetic material comes from the victim (1247/19 I 1), than if it came from another person, not sampled and randomly selected from the population. D) A mixed autosomal genetic profile was obtained from the cutout of fabric from the victim's trousers with blood sample and semen, marked as item 4(1247/19 IND 4), with 23 genetic markers and the amelogenin marker indicating male sex (X, Y) and, given the genetic results obtained, is 9.55665 E023 times more likely to explain them if the genetic material obtained comes from the victim(1247/19 I 1) and from the suspect(1247/19 I 2), than if it came from two other people, not sampled and randomly selected from the population. E) The genetic profile of Y chromosome haplotype was obtained from the victim's blood sample on FTA paper, marked as item 1(1247/19 I 1), with 25 genetic markers and the population index is 1 in 56,115 haplotypes. F) The genetic profile of Y chromosome haplotype was obtained from the suspect's blood sample on FTA Paper, marked as item 2 (1247/19 I 2), with 25 genetic markers and population index was 1 in 56,115 haplotypes. G) The genetic profile of Y chromosome haplotype was obtained from the suspect's shirt fabric with blood sample, marked as item 3(1247/19 IND 3), with 25 genetic markers and the population index is 1 in 56,115 haplotypes. H) The haplotype of item 1's Y chromosome matches the Y chromosome haplotype of item 3. I) A mixture of genetic profiles of Y chromosome haplotype were obtained from the fabric trimming with blood sample and semen from the victim's trousers, marked as item 4(1247/19 IND 4), with 25 genetic markers and in that genetic profile were found included all the alleles of the genetic profiles of chromosome Y haplotype of item 1 and item 2. Note: The calculation was made for an unreported microvariant obtained in the marker DYF387S1 for item 1 and item 3 according to the bibliography Butler JM, 2005, Forensic DNA, Typing, Technology, and genetics of STR Markers, Elsevier Academic Press, USA, Second Edicion, 660 Pages.</p>
LAUYN9	<p>Extraction: Item 1, Item 2 and Item 3 were extracted using Automate Express™ Forensic DNA Extraction System with PrepFiler Express™ Kits. Item 4 was extracted using the Chelex extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using the Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ 7500 Real-Time PCR Systems. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using the AmpFLSTR™ Identifiler™ Plus and YFiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on Applied Biosystems™ 3500XL Genetic Analyzer and the data were analysed 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.</p>
LDFEKW	<p>Proficiency test for analyst qualified only through quantitation, which excludes performing interpretation.</p>
LHN89Z	<p>Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: DNA quantitation for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifiler Direct kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 1, Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus) and Item 1, Item 2, Item 3 and Item 4 (Y-Filer). Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.</p>
MXVFTZ	<p>Proficiency test for analyst qualified only through quantitation, which excludes performing interpretation.</p>
PF9U8Z	<p>1-4.1-E: potential allele below threshold cannot be differentiated from artifact at D3 (17 allele) and SE33 (32 allele)</p>

TABLE 5

WebCode	Additional Comments
PXD2M3	Item 1-4 sperm fraction, Y profile: minor alleles at DYS389II and DYS385 are consistent with carryover from the non-sperm fraction, Y profile of the same item.
TARKH2	1. In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3. DNA quantification was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction 7500 System. 4. Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Direct and Plus PCR Amplification Kit. 5. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6. Capillary electrophoresis was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X 1.5 Software. 7. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results.
V8Y9V2	Per laboratory procedure, item 1.3 underwent a differential separation. The sperm fraction of this sample had no DNA detected at quant and was therefore not taken forward for STR analysis.
VPH4CU	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using chelex extraction method. Item 4 was extracted using differential extraction method. Quantitation: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using AmFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmFLSTR Y Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Globalfiler Express Kit & Identifiler Plus Kit). Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive control, Negative control were carried out through analysis and all give intended results.
VURHTT	The epithelium cell fraction result of item 4 is a mixture, only the major type of identifiler Plus and Y filer Plus results are on the list.
XACRQF	Results are entered only for Globalfiler loci as casework reporting is on Globalfiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 4e at locus D21S11 - There is a minor allele 33, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 33 to allele 34 is 11.29%, exceeding the Laboratory's stutter threshold for this locus of 10.69%. The minor allele 33 is likely to be an elevated stutter.
XAEE9T	Our lab does not analyze Y Chromosome on male mixtures samples
ZVLUHG	1. Extraction: (i) Item 1 and Item 2 were extracted using in-situ method; (ii) Bloodstains on Item 3 and semen stains on Item 4 (differential extraction) were carried out using Chelex extraction method. 2. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on QuantStudio 5 RT-PCR. 3. Amplification on 9700 GeneAmp PCR System: (i) Item 1 and Item 2 were amplified using AmpFISTR GlobalFiler Express PCR Amplification Kit. (ii) Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus PCR Amplification Kit. (iii) Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFISTR Yfiler PCR Amplification Kit. 4. Electrophoresis: (i) Item 1 and Item 2 (GFE) also Item 3 and Item 4 (IDP) was carried out on Genetic Analyzer 3500xL. (ii) For electrophoresis of Yfiler (Item 1, Item 2, Item 3 and Item 4) was carried out on Genetic Analyzer 3130xL. 5. Quality Control: Reagent blank, positive and negative control were carried out through analysis and all gave intended results.

-End of Report-
(Appendix may follow)

Test No. 19-5806: DNA-Mixture

DATA MUST BE SUBMITTED BY **Dec. 16, 2019, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D

WebCode: QKZC6C

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:

Police are investigating the sexual assault of a male victim. The victim was walking home when a car pulled up next to him and rolled down the window. A man began asking him for directions and when he stepped closer the man reached out and pulled him into the car. When the victim began screaming, the man punched him in the face and threatened him. Then he drove the victim to an abandoned parking lot and sexually assaulted him. The suspect then kicked the victim out of the car and drove away. The investigators apprehended a suspect matching the victim's description and are submitting a stain from the suspect's shirt (Item 3) and a stain from the victim's pants (Item 4). Screening has been performed on both samples with the following results: suspect's shirt (Item 3) is positive for blood and victim's pants (Item 4) are positive for blood and semen. Also collected were known blood samples from the male victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S6):

Item 1: Known blood from the male victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from suspect's shirt (brown)

Item 4: Questioned blood and semen mixture stain from victim's pants (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)