



DNA-Blood Test No. 21-5803

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 108 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1, 2, 3, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Items 1 (75 μ l) and 4 (50 μ l) were created using blood from the same male donor. Items 2 (75 μ l) and 3 (50 μ l) were created using blood collected from the same male donor, but different than that of Items 1 and 4. 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 April 19, 2021 following receipt of predistribution results.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	12,18.3	17,20	11,14	15,18	11,13	*
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18	2	
2	17.3,18.3	21,23	10,14	15,17	11,12	*
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14	2	
3	17.3,18.3	21,23	10,14	15,17	11,12	*
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14	2	
4	12,18.3	17,20	11,14	15,18	11,13	*
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
1	36,36	14	11,15	13	29	24	10	13	13
	14	12	11	19	29	16	17	11	22
	41	12	13	17	18	23	24	10	12
2	39,39	16	15,15	12	31	22	10	10	14
	16	10	11	21	29	17	18	11	21
	41	10	13	17	14	20	21	12	11
3	39,39	16	15,15	12	31	22	10	10	14
	16	10	11	21	29	17	18	11	21
	41	10	13	17	14	20	21	12	11
4	36,36	14	11,15	13	29	24	10	13	13
	14	12	11	19	29	16	17	11	22
	41	12	13	17	18	23	24	10	12

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

Summary Comments

The 21-5803 DNA-Blood 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 4 were created using blood from the same male donor. Items 2 and 3 were created using blood collected from the same male donor, but different than that of Items 1 and 4. (See Manufacturer's Information for preparation details)

Of the 108 participants that returned results, 98 reported DNA interpretations. Ten participants stated that the samples were analyzed for database purposes only.

For the Item 3 stain, all but one of the 98 participants excluded the victim (Item 1) and all participants included the suspect (Item 2) as a possible contributor. The remaining participant did not provide an interpretation regarding the relationship between Item 3 and the victim (Item 1).

For the Item 4 stain, all 98 participants included the victim (Item 1) and all but one of the participants excluded the suspect (Item 2) as a possible contributor. The remaining participant did not provide an interpretation regarding the relationship between Item 4 and the suspect (Item 2).

A total of 30 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. No inconsistent results were reported by these participants.

One participant reported an allelic response that differed from the consensus/predistribution results for Item 4. This participant had an inconsistent allele at the D7S820 locus. Based on the interpretations above, this inconsistency did not appear to affect this participant's conclusions.

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

2E6CRX	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
<hr/>						
2HNETC	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
<hr/>						
3DF9YQ	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
<hr/>						
3QG4VX	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
<hr/>						
47LTJH	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
<hr/>						
49DPAX	NGM SElect DNA-17					
	12,18.3	17,20	11,14	15,18		
1		13,14	13,14	17,22		10,12
	15,18	13,13	29,29	14,15	X,Y	
	24,24			14,21	7,9	
	16,18					

TABLE 1

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

Item 1 - STR Results

4WLZGJ	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
6298EH	PowerPlex® Fusion 6C					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24	10,15	7,14	14,21	7,9
		16,18	10	17	18	
64GLGG	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	10			2
6CRN3H	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	10			2
6JUTWM	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
6PUEJG	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	10			2
6XMRFA	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	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

79QXDH	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
7HV6TH	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
7TDPDE	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
8EQ2FL	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
8NC6NK	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
949JLU	Identifiler® Direct					
		17,20		15,18	11,13	
1	9,10	13,14			12,13	10,12
	15,18	13	29		X,Y	13
	24				7,9	8
	16,18					
A6B2WU	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	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 1 - STR Results

AEZM3T	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
ANK2Z4	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
ARREPH	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
B7K4LE	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
BCP3UH	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
BCQ83Z	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
BTFAMA	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

BVN6P2	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
C8EEUL	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
CBDPPL	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
CXNQYJ	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
1	5,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14		7,9	8,8
	16,18	10				
CYJCRB	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
D2H8NJ	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
DATDH2	investigator essplex se qs					
	12,18.3	17,20	11,14	15,18		
1		13,14	13,14	17,22		10,12
	15,18	13,13	29,29	14,15	X,Y	
	24,24			14,21	7,9	
	16,18					

TABLE 1

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

Item 1 - STR Results

DJLJF9	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
DLNGTL	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
E4PLVP	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
ER9YLN	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
FN9BHL	Identifiler® Direct					
		17,20		15,18	11,13	
1	9,10	13,14			12,13	10,12
	15,18	13	29		X,Y	13
	24				7,9	8
	16,18					
FP24D6	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
FXUCZG	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

G6AG88	Identifiler® Plus					
		17,20		15,18	11,13	
1	9,10	13,14			12,13	10,12
	15,18	13,13	29,29		X,Y	13,13
	24,24				7,9	8,8
	16,18					
GDN74V	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
GK3844	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
GWCRMW	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
HQ9ZZK	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
HTBYBD	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
HXLCRC	Investigator® 24plex					
	12,18.3		11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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 1 - STR Results

J6ZECJ	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
K4LAG8	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
K9XZ32	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
KKBFLF	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
KUVTJQ	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
L6UK7J	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
LBZDZE	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	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

LHWDBZ	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
LVQRE4	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
LXXP7Y	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
LZF84B	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
M6TAQ7	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
M9THW3	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
MEGZCY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	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

MY3WQ4	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
NBEL3E	PowerPlex® Fusion 5C					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24	10,15	7,14		7,9
		16,18	10			8
NKG4F3	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
NMMA9Q	PowerPlex® Fusion 6C					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24	10,15	7,14	14,21	7,9
		16,18	10	17	18	8
P4BWZZ	GlobalFiler™ (STRmix)					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
P6GJD6	GlobalFiler™ Express Rapid ACE					
		12,18.3	17,20	11,14	15,18	11,13
1		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	10			2
PB82LN	Identifiler® Plus					
			17,20		15,18	11,13
1		9,10	13,14			12,13
		15,18	13,13	29,29		X,Y
		24,24				7,9
		16,18				8,8

TABLE 1

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

Item 1 - STR Results

PKXHH6	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
		16,18	10			2	
PZCL6Z	GlobalFiler™ (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
		16,18	10			2	
Q3D9WV	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
		16,18	10			2	
QDVPP2	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
		16,18	10			2	
QH4VJM	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
		16,18	10			2	
QQF8H7	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
		16,18	10			2	
RFFYET	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
		16,18	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

RQVNDY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
RV72TC	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
T7GVJV	PowerPlex® 21 (STRmix)					
	12,18.3	17,20		15,18	11,13	11,17
1	9,10	13,14		17,22	12,13	10,12
	15,18	13,13	29,29		X,Y	13,13
	24,24	10,15	7,14		7,9	8,8
	16,18					
T7KDLZ	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
TJTWJV	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
TQAGKL	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
TRZXH2	GlobalFiler™					
	12,18.3	17,20	11,14	15,[18]	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

TZFH2Z	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	10			2		
V6293T	PowerPlex® Fusion 6C						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
VBRL2V	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	10			2		
VT9RDR	PowerPlex® Fusion 6C						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
W9JTMM	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	10			2		
W9YR37	GlobalFiler™ Express						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	10			2		
WDTVPH	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	1	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	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

WH8LWY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
WJYPJE	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
WL2HJ4	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
WRNDEG	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
WVMMTP	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
WYRA7T	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
X9YC6Y	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	--
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	--	--	14,21	7,9	8,8
	16,18	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

XCT9R6	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
XD48NY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
Y3ZJ4F	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
Y6U73Y	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
Y72HML	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
YRKM7P	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
Z8F6WM	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		

TABLE 1

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

Item 1 - STR Results

ZBFFRM	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
ZHBF4U	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
ZTT3AN	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
ZXQG2K	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
1	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

2E6CRX	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
2HNETC	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
3DF9YQ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
3QG4VX	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
47LTJH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
49DPAX	NGM SElect - DNA-17					
	17,3,18.3	21,23	10,14	15,17		
2		11,14	15,16	19,20		10,11
	12,15	14,16	29,33.2	16,17	X,Y	
	23,24			17,19	9,9.3	
	17,19					
4WLZGJ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

6298EH	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
64GLGG	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6CRN3H	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6JUTWM	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6PUEJG	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6XMRFA	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
79QXDH	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		

TABLE 1

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

7HV6TH	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
7TDPDE	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
8EQ2FL	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
8NC6NK	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
949JLU	Identifiler® Direct					
		21,23		15,17	11,12	
2	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					
A6B2WU	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
AEZM3T	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	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

ANK2Z4	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
ARREPH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
B7K4LE	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BCP3UH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BCQ83Z	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BTFAMA	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BVN6P2	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

C8EEUL						
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
CBDPPL	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
CXNQYJ	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
CYJCRB	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
D2H8NJ	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
DATDH2	INVESTIGATOR ESSPLEX SE QS					
	17,3,18.3	21,23	10,14	15,17		
2		11,14	15,16	19,20		10,11
	12,15	14,16	29,33.2	16,17	X,Y	
	23,24			17,19	9,9.3	
	17,19					
DJLJF9	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		

TABLE 1

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

DLNGTL	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
E4PLVP	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
ER9YLN	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
FN9BHL	Identifiler® Direct					
		21,23		15,17	11,12	
2	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					
FP24D6	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
FXUCZG	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
G6AG88	Identifiler® Plus					
		21,23		15,17	11,12	
2	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					

TABLE 1

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

GDN74V	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
GK3844	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
GWCRMW	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
HQ9ZZK	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
HTBYBD	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
HXLCRC	Investigator® 24plex					
	17,3,18.3		10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10				
J6ZECJ	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	2	11,13	11,14	15,16	19,20	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	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

K4LAG8	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
K9XZ32	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
KKBFLF	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
KUVTJQ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
L6UK7J	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
LBZDZE	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
LHWDBZ	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		

TABLE 1

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

LVQRE4	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
LXP7Y	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
LZF84B	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
M6TAQ7	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
M9THW3	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
MEGZCY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
MY3WQ4	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

NBEL3E	PowerPlex® Fusion 5C						
	17,3,18.3	21,23	10,14	15,17	11,12		
	2	11,13	11,14	15,16	19,20	10,12	10,11
		12,15	14,16	29,33.2	16,17	X,Y	11,12
		23,24	8,13	7,12		9,9.3	8,9
		17,19	10				
NKG4F3	GlobalFiler™						
	17,3,18.3	21,23	10,14	15,17	11,12		
	2	11,13	11,14	15,16	19,20	10,12	10,11
		12,15	14,16	29,33.2	16,17	X,Y	11,12
		23,24			17,19	9,9.3	8,9
		17,19	10			2	
NMMA9Q	PowerPlex® Fusion 6C						
	17,3,18.3	21,23	10,14	15,17	11,12		
	2	11,13	11,14	15,16	19,20	10,12	10,11
		12,15	14,16	29,33.2	16,17	X,Y	11,12
		23,24	8,13	7,12	17,19	9,9.3	8,9
		17,19	10	17	14		
P4BWZZ	GlobalFiler™ (STRmix)						
	17,3,18.3	21,23	10,14	15,17	11,12		
	2	11,13	11,14	15,16	19,20	10,12	10,11
		12,15	14,16	29,33.2	16,17	X,Y	11,12
		23,24			17,19	9,9.3	8,9
		17,19	10			2	
P6GJD6	GlobalFiler™ Express Rapid ACE						
	17,3,18.3	21,23	10,14	15,17	11,12		
	2	11,13	11,14	15,16	19,20	10,12	10,11
		12,15	14,16	29,33.2	16,17	X,Y	11,12
		23,24			17,19	9,9.3	8,9
		17,19	10			2	
PB82LN	Identifiler® Plus						
		21,23		15,17	11,12		
	2	11,13	11,14		10,12	10,11	
		12,15	14,16	29,33.2	X,Y	11,12	
		23,24			9,9.3	8,9	
		17,19					
PKXHH6	GlobalFiler™						
	17,3,18.3	21,23	10,14	15,17	11,12		
	2	11,13	11,14	15,16	19,20	10,12	10,11
		12,15	14,16	29,33.2	16,17	X,Y	11,12
		23,24			17,19	9,9.3	8,9
		17,19	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

PZCL6Z	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
Q3D9WV	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
QDVPP2	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
QH4VJM	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
QQF8H7	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
RFFYET	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
RQVNDY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

RV72TC	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
T7GVJV	PowerPlex® 21 (STRmix)					
	17,3,18.3	21,23		15,17	11,12	14,17
2	11,13	11,14		19,20	10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19					
T7KDLZ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
TJTWJV	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
TQAGKL	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
TRZXH2	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
TZFH2Z	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

V6293T	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
VBRL2V	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
VT9RDR	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
W9JTM	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
W9YR37	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
WDTVPH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
WH8LWY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

WJYPJE	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WL2HJ4	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WRNDEG	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WWMMP	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WYRA7T	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
X9YC6Y	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	--
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	--	--	17,19	9,9.3	8,9
	17,19	10	--	--	2	
XCT9R6	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	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

XD48NY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
Y3ZJ4F	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
Y6U73Y	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
Y72HML	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
YRKM7P	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
Z8F6WM	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
ZBFFRM	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		

TABLE 1

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

ZHBF4U	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
ZTT3AN	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
ZXQG2K	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
2	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

2E6CRX	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
2HNETC	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
3DF9YQ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
3QG4VX	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
47LTJH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
49DPAX	NGM SElect DNA-17					
	17,3,18.3	21,23	10,14	15,17		
	11,13	11,14	15,16	19,20		10,11
	12,15	14,16	29,33.2	16,17	X,Y	
	23,24			17,19	9,9.3	
	17,19					
4WLZGJ	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

6298EH	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
64GLGG	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6CRN3H	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6JUTWM	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6PUEJG	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
6XMRFA	GlobalFiler™ (STRmix™)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
79QXDH	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		

TABLE 1

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

7HV6TH	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
8EQ2FL	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
8NC6NK	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
949JLU	Identifiler® Plus					
		21,23		15,17	11,12	
3	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					
A6B2WU	PowerPlex® Fusion (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
AEZM3T	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
ANK2Z4	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

ARREPH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
B7K4LE	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BCP3UH	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BCQ83Z	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BTFAMA	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
BVN6P2	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
C8EEUL	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	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

CBDPPL	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
CXNQYJ	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
CYJCRB	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
D2H8NJ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
DATDH2	INVESTIGATOR ESSPLEX SE QS					
	17,3,18.3	21,23	10,14	15,17		
	11,13	11,14	15,16	19,20		10,11
	12,15	14,16	29,33.2	16,17	X,Y	
	23,24			17,19	9,9.3	
	17,19					
DJLJF9	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
DLNGTL	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

E4PLVP	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
ER9YLN	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
FN9BHL	Identifiler® Plus					
		21,23		15,17	11,12	
3	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					
FP24D6	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
FXUCZG	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
G6AG88	Identifiler® Plus					
		21,23		15,17	11,12	
3	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					
GDN74V	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

GK3844	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
GWCRMW	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
HQ9ZZK	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
HTBYBD	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
HXLRCR	Investigator® 24plex					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10				
J6ZECJ	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
K4LAG8	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

K9XZ32	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
KKBFLF	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
KUVTJQ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
L6UK7J	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
LBZDZE	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
LHWDBZ	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
LVQRE4	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

LXXP7Y	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
LZF84B	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
M6TAQ7	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
M9THW3	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
MEGZCY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
MY3WQ4	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
NBEL3E	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	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

NKG4F3	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
NMMA9Q	PowerPlex® Fusion 6C					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
P4BWZZ	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
P6GJD6	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
PB82LN	Identifiler® Plus					
		21,23		15,17	11,12	
	11,13	11,14			10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24				9,9.3	8,9
	17,19					
PKXHH6	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
PZCL6Z	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

Q3D9WV	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
QDVPP2	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
QH4VJM	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
QQF8H7	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
RFFYET	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
RQVNDY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
RV72TC	PowerPlex® Fusion					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	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

T7GVJV	PowerPlex® 21 (STRmix)					
	17,3,18.3	21,23		15,17	11,12	14,17
3	11,13	11,14		19,20	10,12	10,11
	12,15	14,16	29,33.2		X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19					
T7KDLZ	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
TJTJWV	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
TQAGKL	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
TRZXH2	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
TZFH2Z	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
V6293T	PowerPlex® Fusion 6C (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		

TABLE 1

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

VBRL2V	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
VT9RDR	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9.3	8,9
	17,19	10	17	14		
W9JTMM	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
W9YR37	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
WDTVPH	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
WH8LWY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10		2		
WJYPJE	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

WL2HJ4	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WRNDEG	GlobalFiler™ Express					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WVMMTP	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
WYRA7T	GlobalFiler™ (STRmix)					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	10			2	
X9YC6Y	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	--
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	--	--	17,19	9,9.3	8,9
	17,19	10	--	--	2	
XCT9R6	PowerPlex® Fusion 5C					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24	8,13	7,12		9,9.3	8,9
	17,19	10				
XD48NY	GlobalFiler™					
	17,3,18.3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33.2	16,17	X,Y	11,12
	23,24			17,19	9,9.3	8,9
	17,19	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

Y3ZJ4F	GlobalFiler™					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24			17,19	9,9.3
		17,19	10			2
Y6U73Y	GlobalFiler™					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24			17,19	9,9.3
		17,19	10			2
Y72HML	PowerPlex® Fusion 6C					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24	8,13	7,12	17,19	9,9.3
		17,19	10	17	14	
YRKM7P	PowerPlex® Fusion 6C					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24	8,13	7,12	17,19	9,9.3
		17,19	10	17	14	
Z8F6WM	PowerPlex® Fusion 6C (STRmix)					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24	8,13	7,12	17,19	9,9.3
		17,19	10	17	14	
ZBFFRM	PowerPlex® Fusion 6C (STRmix)					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24	8,13	7,12	17,19	9,9.3
		17,19	10	17	14	
ZHBF4U	GlobalFiler™					
		17,3,18.3	21,23	10,14	15,17	11,12
	3	11,13	11,14	15,16	19,20	10,12
		12,15	14,16	29,33.2	16,17	X,Y
		23,24			17,19	9,9.3
		17,19	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

ZTT3AN	PowerPlex® Fusion 6C (STRmix)					
	17,3,18,3	21,23	10,14	15,17	11,12	
3	11,13	11,14	15,16	19,20	10,12	10,11
	12,15	14,16	29,33,2	16,17	X,Y	11,12
	23,24	8,13	7,12	17,19	9,9,3	8,9
	17,19	10	17	14		

TABLE 1

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

2E6CRX	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
2HNETC	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
3DF9YQ	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
3QG4VX	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
47LTJH	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
49DPAX	NGM SElect DNA-17					
	12,18.3	17,20	11,14	15,18		
4		13,14	13,14	17,22		10,12
	15,18	13,13	29,29	14,15	X,Y	
	24,24			14,21	7,9	
	16,18					
4WLZGJ	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	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

6298EH	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
64GLGG	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
6CRN3H	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
6JUTWM	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
6PUEJG	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
6XMRFA	GlobalFiler™ (STRmix™)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
79QXDH	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		

TABLE 1

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

Item 4 - STR Results

7HV6TH	PowerPlex® Fusion 6C					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
8EQ2FL	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
8NC6NK	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
949JLU	Identifiler® Plus					
		17,20		15,18	11,13	
4	9,10	13,14			12,13	10,12
	15,18	13	29		X,Y	13
	24				7,9	8
	16,18					
A6B2WU	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
AEZM3T	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
ANK2Z4	GlobalFiler™ Express					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

ARREPH	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
B7K4LE	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
BCP3UH	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
BCQ83Z	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
BTFAMA	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
BVN6P2	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
C8EEUL	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	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 4 - STR Results

CBDPPL	PowerPlex® Fusion 5C						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24	10,15	7,14		7,9	8
		16,18	10				
CXNQYJ	PowerPlex® Fusion 5C						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14		7,9	8,8
		16,18	10				
CYJCRB	PowerPlex® Fusion 6C (STRmix V2.5.11)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
		16,18	10	17	18		
D2H8NJ	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
		16,18	10			2	
DATDH2	INVESTIGATOR ESSPLEX SE QS						
		12,18.3	17,20	11,14	15,18		
	4		13,14	13,14	17,22		10,12
		15,18	13,13	29,29	14,15	X,Y	
		24,24			14,21	7,9	
		16,18					
DJLJF9	PowerPlex® Fusion 6C (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24	10,15	7,14	14,21	7,9	8
		16,18	10	17	18		
DLNGTL	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
		16,18	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

E4PLVP	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
ER9YLN	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	10				
FN9BHL	Identifiler® Plus					
		17,20		15,18	11,13	
4	9,10	13,14			12,13	10,12
	15,18	13	29		X,Y	13
	24				7,9	8
	16,18					
FP24D6	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
FXUCZG	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
G6AG88	Identifiler® Plus					
		17,20		15,18	11,13	
4	9,10	13,14			12,13	10,12
	15,18	13,13	29,29		X,Y	13,13
	24,24				7,9	8,8
	16,18					
GDN74V	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

GK3844	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10			2		
GWCRMW	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10			2		
HQ9ZZK	PowerPlex® Fusion 6C (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
HTBYBD	PowerPlex® Fusion 6C (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
HXLRCR	Investigator® 24plex						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10					
J6ZECJ	PowerPlex® Fusion 5C						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24	10,15	7,14		7,9	8
	16,18	10					
K4LAG8	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	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

K9XZ32	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
KKBFLF	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
KUVTJQ	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
L6UK7J	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
LBZDZE	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
LHWDBZ	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
LVQRE4	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10	17	18	2	

TABLE 1

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

Item 4 - STR Results

LXXP7Y	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		
LZF84B	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
M6TAQ7	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
M9THW3	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
MEGZCY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
MY3WQ4	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
NBEL3E	PowerPlex® Fusion 5C					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	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 4 - STR Results

NKG4F3	GlobalFiler™ (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	10			2		
NMMA9Q	PowerPlex® Fusion 6C						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18			
P4BWZZ	GlobalFiler™ STRmix (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	10			2		
P6GJD6	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10			2		
PB82LN	Identifiler® Plus						
			17,20		15,18	11,13	
	4	9,10	13,14			12,13	10,12
		15,18	13,13	29,29		X,Y	13,13
		24,24				7,9	8,8
	16,18						
PKXHH6	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10			2		
PZCL6Z	GlobalFiler™ (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13	29	14,15	X,Y	13
		24			14,21	7,9	8
	16,18	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

Q3D9WV	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
QDVPP2	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
QH4VJM	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
QQF8H7	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
RFFYET	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
RQVNDY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
RV72TC	PowerPlex® Fusion					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14		7,9	8
	16,18	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 4 - STR Results

T7GVJV	PowerPlex® 21 (STRmix)					
	12,18.3	17,20		15,18	11,13	11,17
4	9,10	13,14		17,22	12,13	10,12
	15,18	13,13	29,29		X,Y	13,13
	24,24	10,15	7,14		7,9	8,8
	16,18					
T7KDLZ	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
TJTJWV	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
TQAGKL	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
TRZXH2	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
TZFH2Z	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
V6293T	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		

TABLE 1

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

Item 4 - STR Results

VBRL2V	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
VT9RDR	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18		
W9JTMM	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
W9YR37	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
WDTVPH	GlobalFiler™ (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	10			2	
WH8LWY	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24			14,21	7,9	8
	16,18	10			2	
WJYPJE	GlobalFiler™					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13,13	29,29	14,15	X,Y	13,13
	24,24			14,21	7,9	8,8
	16,18	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

WL2HJ4	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	10			2
WRNDEG	GlobalFiler™ Express					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	10			2
WVMMTP	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
WYRA7T	GlobalFiler™ (STRmix)					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24			14,21	7,9
		16,18	10			2
X9YC6Y	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24	--	--	14,21	7,9
		16,18	10	--	--	2
XCT9R6	PowerPlex® Fusion 5C					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13	29	14,15	X,Y
		24	10,15	7,14		7,9
		16,18	10			8
XD48NY	GlobalFiler™					
		12,18.3	17,20	11,14	15,18	11,13
4		9,10	13,14	13,14	17,22	12,13
		15,18	13,13	29,29	14,15	X,Y
		24,24			14,21	7,9
		16,18	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

Y3ZJ4F	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10			2		
Y6U73Y	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	10			2		
Y72HML	PowerPlex® Fusion 6C						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
YRKM7P	PowerPlex® Fusion 6C						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
Z8F6WM	PowerPlex® Fusion 6C (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
ZBFFRM	PowerPlex® Fusion 6C (STRmix)						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24	10,15	7,14	14,21	7,9	8,8
	16,18	10	17	18			
ZHBF4U	GlobalFiler™						
		12,18.3	17,20	11,14	15,18	11,13	
	4	9,10	13,14	13,14	17,22	12,13	10,12
		15,18	13,13	29,29	14,15	X,Y	13,13
		24,24			14,21	7,9	8,8
	16,18	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

ZTT3AN	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17,20	11,14	15,18	11,13	
4	9,10	13,14	13,14	17,22	12,13	10,12
	15,18	13	29	14,15	X,Y	13
	24	10,15	7,14	14,21	7,9	8
	16,18	10	17	18		

YSTR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - YSTR Results

2E6CRX	Yfiler™								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	24	12
2HNETC	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	22	12
3DF9YQ	Yfiler™ Plus								
		36	14	11,15	13	29	24	10	13
	1	14	12	11	19	29	16	17	11
47LTJH	Yfiler™								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	24	12
49DPAX	PowerPlex® Y PP23								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	22	12
6298EH	Yfiler™								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	24	12
6JUTWM	Yfiler™ Plus								
		36	14	11,15	13	29	24	10	13
	1	14	12	11	19	29	16	17	11
79QXDH	Yfiler™								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	24	12
7HV6TH	Yfiler™								
		14	11,15	13	29	24	10	13	13
	1	14	12	11	19	16	17	24	12
8EQ2FL	Yfiler™ Plus								
		36	14	11,15	13	29	24	10	13
	1	14	12	11	19	29	16	17	11
8NC6NK	Yfiler™ Plus								
		36	14	11,15	13	29	24	10	13
	1	14	12	11	19	29	16	17	11
	41	12		17	18	23	24		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 1 - YSTR Results									
949JLU	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
A6B2WU	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
AEZM3T	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
ARREPH	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
BCP3UH	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
BCQ83Z	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
BTFAMA	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
BVN6P2	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
CYJCRB	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
D2H8NJ	Yfiler™ Plus								
	36,36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
DJLJF9	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
DLNGTL	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		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 1 - YSTR Results									
E4PLVP	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
ER9YLN	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
FN9BHL	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
FP24D6	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
GDN74V	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
GK3844	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
HQ9ZZK	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
HTBYBD	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
HXLCRC	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
J6ZECJ	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
K4LAG8	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
KUVTJQ	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	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 1 - YSTR Results									
L6UK7J	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
LBZDZE	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
LVQRE4	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
LXXP7Y	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
M6TAQ7	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
MEGZCY	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
NBEL3E	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
PB82LN	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
QDVPP2	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
QH4VJM	PowerPlex® Y								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
RFFYET	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
RV72TC	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		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 1 - YSTR Results									
T7KDLZ	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
TJTWJV	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
TQAGKL	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
TZFH2Z	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
V6293T	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
VT9RDR	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
W9YR37	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
WH8LWY	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
WJYPJE	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
WWMMTP	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
XCT9R6	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
Y3ZJ4F	Yfiler™ Plus								
	36,36	14	11,15	13	29	24	10	13	13
1	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		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									
Y72HML	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
YRKM7P	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
Z8F6WM	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
ZBFFRM	Yfiler™								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		
							24		12
ZTT3AN	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
1	14	12	11	19		16	17		22
		12	13	17	18		24	10	12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
2E6CRX	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
2HNETC	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
3DF9YQ	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
47LTJH	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
49DPAX	PowerPlex® Y PP23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
6298EH	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
6JUTWM	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
79QXDH	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
7HV6TH	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
8EQ2FL	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
8NC6NK	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
949JLU	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
A6B2WU	Yfiler™ Plus									
	39	16	15	12	31	22	10	10	14	
2	16	10	11	21	29	17	18	11	21	
	41	10		17	14	20	21		11	
AEZM3T	Yfiler™ Plus									
	39	16	15	12	31	22	10	10	14	
2	16	10	11	21	29	17	18	11	21	
	41	10		17	14	20	21		11	
ARREPH	Yfiler™ Plus									
	39	16	15	12	31	22	10	10	14	
2	16	10	11	21	29	17	18	11	21	
	41	10		17	14	20	21		11	
BCP3UH	Yfiler™ Plus									
	39	16	15	12	31	22	10	10	14	
2	16	10	11	21	29	17	18	11	21	
	41	10		17	14	20	21		11	
BCQ83Z	PowerPlex® Y 23									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18		21	
		10	13	17	14		21	12	11	
BTFAMA	Yfiler™									
		16	15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21		11	
BVN6P2	PowerPlex® Y 23									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18		21	
		10	13	17	14		21	12	11	
CYJCRB	Yfiler™									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21		11	
D2H8NJ	Yfiler™ Plus									
	39,39	16	15,15	12	31	22	10	10	14	
2	16	10	11	21	29	17	18	11	21	
	41	10		17	14	20	21		11	
DJLJF9	PowerPlex® Y 23									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18		21	
		10	13	17	14		21	12	11	
DLNGTL	Yfiler™									
		16	15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21		11	
E4PLVP	Yfiler™									
		16	15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21		11	

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
ER9YLN	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
FN9BHL	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
FP24D6	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
GDN74V	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
GK3844	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
HQ9ZZK	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
HTBYBD	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
HXLCRC	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
J6ZECJ	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
K4LAG8	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
KUVTJQ	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
L6UK7J	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
LBZDZE	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
LVQRE4	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
LXP7Y	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
M6TAQ7	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
MEGZCY	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
NBEL3E	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
PB82LN	PowerPlex® Y 23								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
QDVPP2	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
QH4VJM	PowerPlex® Y								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
RFFYET	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
RV72TC	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
T7KDLZ	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
TJTWJV	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
TQAGKL	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
TZFH2Z	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
V6293T	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
VT9RDR	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
W9YR37	Yfiler™								
		16	15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11
WH8LWY	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
WJYPJE	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
WVMMTP	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
XCT9R6	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
Y3ZJ4F	Yfiler™ Plus								
	39,39	16	15,15	12	31	22	10	10	14
2	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
Y72HML	Yfiler™								
		16	15,15	12	31	22	10	10	14
2	16	10	11	21		17	18		
							21		11

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										
YRKM7P	Yfiler™									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21			11
Z8F6WM	Yfiler™									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21			11
ZBFFRM	Yfiler™									
		16	15,15	12	31	22	10	10	14	
2	16	10	11	21		17	18			
							21			11
ZTT3AN	PowerPlex® Y 23									
		16	15	12	31	22	10	10	14	
2	16	10	11	21		17	18			21
		10	13	17	14		21	12		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
2E6CRX	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
2HNETC	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
3DF9YQ	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
47LTJH	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
49DPAX	PowerPlex® Y PP23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
6298EH	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
6JUTWM	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
79QXDH	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
7HV6TH	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
8EQ2FL	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
8NC6NK	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
949JLU	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
A6B2WU	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
AEZM3T	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
ARREPH	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
BCP3UH	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
BCQ83Z	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
BTFAMA	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		11
							21		11
BVN6P2	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
CYJCRB	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		11
							21		11
D2H8NJ	Yfiler™ Plus								
	39,39	16	15,15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
DJLJF9	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
DLNGTL	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		11
							21		11
E4PLVP	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		11
							21		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
ER9YLN	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
FN9BHL	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
FP24D6	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
GDN74V	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
GK3844	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
HQ9ZZK	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
HTBYBD	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
J6ZECJ	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
K4LAG8	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
KUVTJQ	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
L6UK7J	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
LBZDZE	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
LVQRE4	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
LXXP7Y	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
M6TAQ7	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
MEGZCY	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
NBEL3E	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
PB82LN	PowerPlex® Y 23								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
QDVPP2	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
QH4VJM	PowerPlex® Y								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
RFFYET	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
RV72TC	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
T7KDLZ	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
TJTWJV	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
							21		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
TQAGKL	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
TZFH2Z	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
V6293T	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
VT9RDR	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
W9YR37	Yfiler™								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
WH8LWY	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
WJYPJE	PowerPlex® Y 23								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11
WWMMP	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
XCT9R6	Yfiler™ Plus								
	39	16	15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
Y3ZJ4F	Yfiler™ Plus								
	39,39	16	15,15	12	31	22	10	10	14
3	16	10	11	21	29	17	18	11	21
	41	10		17	14	20	21		11
Y72HML	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
YRKM7P	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11

TABLE 2

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

Item 3 - YSTR Results

Z8F6WM	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
ZBFFRM	Yfiler™								
		16	15,15	12	31	22	10	10	14
3	16	10	11	21		17	18		
							21		11
ZTT3AN	PowerPlex® Y 23								
		16	15	12	31	22	10	10	14
3	16	10	11	21		17	18		21
		10	13	17	14		21	12	11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
2E6CRX	Yfiler™									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			
							24			12
2HNETC	PowerPlex® Y 23									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			22
		12	13	17	18		24	10	12	
3DF9YQ	Yfiler™ Plus									
	36	14	11,15	13	29	24	10	13	13	
4	14	12	11	19	29	16	17	11	22	
	41	12		17	18	23	24			12
47LTJH	Yfiler™									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			
							24			12
49DPAX	PowerPlex® Y PP23									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			22
		12	13	17	18		24	10	12	
6298EH	Yfiler™									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			
							24			12
6JUTWM	Yfiler™ Plus									
	36	14	11,15	13	29	24	10	13	13	
4	14	12	11	19	29	16	17	11	22	
	41	12		17	18	23	24			12
79QXDH	Yfiler™									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			
							24			12
7HV6TH	Yfiler™									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			
							24			12
8EQ2FL	Yfiler™ Plus									
	36	14	11,15	13	29	24	10	13	13	
4	14	12	11	19	29	16	17	11	22	
	41	12		17	18	23	24			12
8NC6NK	Yfiler™ Plus									
	36	14	11,15	13	29	24	10	13	13	
4	14	12	11	19	29	16	17	11	22	
	41	12		17	18	23	24			12
949JLU	Yfiler™									
		14	11,15	13	29	24	10	13	13	
4	14	12	11	19		16	17			
							24			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 4 - YSTR Results									
A6B2WU	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
AEZM3T	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
ARREPH	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
BCP3UH	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
BCQ83Z	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
BTFAMA	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
BVN6P2	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
CYJCRB	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
D2H8NJ	Yfiler™ Plus								
	36,36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
DJLJF9	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
DLNGTL	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
E4PLVP	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		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 4 - YSTR Results									
ER9YLN	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
FN9BHL	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
FP24D6	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
GDN74V	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
GK3844	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
HQ9ZZK	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
HTBYBD	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
J6ZECJ	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
K4LAG8	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
KUVTJQ	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
L6UK7J	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
LBZDZE	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		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 4 - YSTR Results									
LVQRE4	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
LXXP7Y	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
M6TAQ7	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
MEGZCY	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
NBEL3E	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
PB82LN	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
QDVPP2	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
QH4VJM	PowerPlex® Y								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
RFFYET	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
RV72TC	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
T7KDLZ	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
TJTWJV	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
							24		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 4 - YSTR Results									
TQAGKL	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
TZFH2Z	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
V6293T	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
VT9RDR	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
W9YR37	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
WH8LWY	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
WJYPJE	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		22
		12	13	17	18		24	10	12
WVMMTP	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
XCT9R6	Yfiler™ Plus								
	36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
Y3ZJ4F	Yfiler™ Plus								
	36,36	14	11,15	13	29	24	10	13	13
4	14	12	11	19	29	16	17	11	22
	41	12		17	18	23	24		12
Y72HML	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		12
YRKM7P	Yfiler™								
		14	11,15	13	29	24	10	13	13
4	14	12	11	19		16	17		
							24		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 4 - YSTR Results

Z8F6WM	Yfiler™								
		14	11,15	13	29	24	10	13	13
4		14	12	11	19	16	17		
							24		12
ZBFFRM	Yfiler™								
		14	11,15	13	29	24	10	13	13
4		14	12	11	19	16	17		
							24		12
ZTT3AN	PowerPlex® Y 23								
		14	11,15	13	29	24	10	13	13
4		14	12	11	19	16	17		22
			12	13	17	18	24	10	12

Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D21S11	49DPAX			[32.2]					
D2S1338	49DPAX			[22]					

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
2E6CRX	No	Yes	Yes	No	AEZM3T	No	Yes	Yes	No
2HNETC		Yes	Yes		ANK2Z4	No	Yes	Yes	No
3DF9YQ	No	Yes	Yes	No	ARREPH	No	Yes	Yes	No
3QG4VX	No	Yes	Yes	No	B7K4LE	No	Yes	Yes	No
47LTJH	No Interpretations Reported, DNA Analyzed for Database purposes only.				BCP3UH	No	Yes	Yes	No
49DPAX	No	Yes	Yes	No	BCQ83Z	No	Yes	Yes	No
4WLZGJ	No	Yes	Yes	No	BTFAMA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
6298EH	No	Yes	Yes	No	BVN6P2	No	Yes	Yes	No
64GLGG	No Interpretations Reported, DNA Analyzed for Database purposes only.				C8EEUL	No	Yes	Yes	No
6CRN3H	No Interpretations Reported, DNA Analyzed for Database purposes only.				CBDPPL	No	Yes	Yes	No
6JUTWM	No	Yes	Yes	No	CXNQYJ	No	Yes	Yes	No
6PUEJG	No Interpretations Reported, DNA Analyzed for Database purposes only.				CYJCRB	No	Yes	Yes	No
6XMRFA	No	Yes	Yes	No	D2H8NJ	No	Yes	Yes	No
79QXDH	No	Yes	Yes	No	DATDH2	No	Yes	Yes	No
7HV6TH	No	Yes	Yes	No	DJLJF9	No	Yes	Yes	No
7TDPDE	No Interpretations Reported, DNA Analyzed for Database purposes only.				DLNGTL	No	Yes	Yes	No
8EQ2FL	No	Yes	Yes	No	E4PLVP	No	Yes	Yes	No
8NC6NK	No	Yes	Yes	No	ER9YLN	No	Yes	Yes	No
949JLU	No	Yes	Yes	No	FN9BHL	No	Yes	Yes	No
A6B2WU	No	Yes	Yes	No	FP24D6	No	Yes	Yes	No

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
FXUCZG	No	Yes	Yes	No	MEGZCY	No	Yes	Yes	No
G6AG88	No	Yes	Yes	No	MY3WQ4	No	Yes	Yes	No
GDN74V	No	Yes	Yes	No	NBEL3E	No	Yes	Yes	No
GK3844	No Interpretations Reported, DNA Analyzed for Database purposes only.				NKG4F3	No	Yes	Yes	No
GWCRMW	No	Yes	Yes	No	NMMA9Q	No	Yes	Yes	No
HQ9ZZK	No	Yes	Yes	No	P4BWZZ	No	Yes	Yes	No
HTBYBD	No	Yes	Yes	No	P6GJD6	No	Yes	Yes	No
HXLCRC	No	Yes	Yes	No	PB82LN	No	Yes	Yes	No
J6ZECJ	No	Yes	Yes	No	PKXHH6	No	Yes	Yes	No
K4LAG8	No	Yes	Yes	No	PZCL6Z	No	Yes	Yes	No
K9XZ32	No	Yes	Yes	No	Q3D9WV	No	Yes	Yes	No
KKBFLF	No	Yes	Yes	No	QDVPP2	No	Yes	Yes	No
KUVTJQ	No	Yes	Yes	No	QH4VJM	No	Yes	Yes	No
L6UK7J	No	Yes	Yes	No	QQF8H7	No	Yes	Yes	No
LBZDZE	No	Yes	Yes	No	RFFYET	No	Yes	Yes	No
LHWDBZ	No	Yes	Yes	No	RQVNDY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LVQRE4	No	Yes	Yes	No	RV72TC	No	Yes	Yes	No
LXP7Y	No	Yes	Yes	No	T7GVJV	No	Yes	Yes	No
LZF84B	No	Yes	Yes	No	T7KDLZ	No	Yes	Yes	No
M6TAQ7	No	Yes	Yes	No	TJTWJV	No	Yes	Yes	No
M9THW3	No	Yes	Yes	No	TQAGKL	No	Yes	Yes	No

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
TRZXH2	No	Yes	Yes	No	Z8F6WM	No	Yes	Yes	No
TZFH2Z	No	Yes	Yes	No	ZBFFRM	No	Yes	Yes	No
V6293T	No	Yes	Yes	No	ZHBF4U	No	Yes	Yes	No
VBRL2V	No	Yes	Yes	No	ZTT3AN	No	Yes	Yes	No
VT9RDR	No	Yes	Yes	No	ZXQG2K	No Interpretations Reported, DNA Analyzed for Database purposes only.			
W9JTMM	No	Yes	Yes	No					
W9YR37	No	Yes	Yes	No					
WDTVPH	No	Yes	Yes	No					
WH8LWY	No	Yes	Yes	No					
WJYPJE	No	Yes	Yes	No					
WL2HJ4	No	Yes	Yes	No					
WRNDEG	No	Yes	Yes	No					
WWMMP	No	Yes	Yes	No					
WYRA7T	No	Yes	Yes	No					
X9YC6Y	No	Yes	Yes	No					
XCT9R6	No	Yes	Yes	No					
XD48NY	No	Yes	Yes	No					
Y3ZJ4F	No	Yes	Yes	No					
Y6U73Y	No	Yes	Yes	No					
Y72HML	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YRKM7P	No	Yes	Yes	No					

DNA Interpretation**Response Summary****Participants reporting DNA results: 108**

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

	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	0	98	98	0
No	97	0	0	97
Inc	0	0	0	0
No Interpretation	0	0	0	0
No Response	1	0	0	1

Participants analyzing DNA for database purposes only: 10

Additional Comments

TABLE 5

WebCode	Additional Comments
2E6CRX	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio 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 GlobalFiler 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 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL 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.
49DPAX	Blood attributable to the victim was detected on the suspect's shirt. Blood attributable to the suspect was detected on the victim's shirt. Full profiles obtained in each instance suitable for standard statistical evaluation. Additional sub-threshold alleles detected on Item 3, as indicated on additional DNA table, are likely raised stutter and do not affect the interpretation of the full profiles. Full matching Y-STR profiles also suitable for statistical evaluation using the YHRD - additional information regarding ethnicity of individuals would be required to undertake this work. These findings are as I would expect if the suspect had assaulted the victim as alleged. No alternative has been provided from the suspect and at this stage a full evaluation has not been carried out.
949JLU	Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex DNA extraction method was used to extract DNA from Item 3 and Item 4. 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: Amplification of STR (Short Tandem Repeat) genetic loci for Item 1 and Item 2 were carried out using the AmpFISTR Identifiler Direct Amplification Kit and Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit. Amplification of Y-STR (Y-Short Tandem Repeat) genetic loci for Item 1 to Item 4 were carried out using the AmpFISTR Y-filer PCR Amplification kit. Electrophoresis: Capillary electrophoresis for Item 1,2,3 and 4 were carried out using the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.
A6B2WU	All data reported originate from analysis using GeneMapper ID-X. In addition to GeneMapper ID-X, question sample "Item 3" was analyzed using the STRmix probabilistic genotyping software.
AEZM3T	STRmix was performed on Item 3. The data reported out in this proficiency test is from analysis using GeneMapper ID-X.
DLNGTL	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio 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 GlobalFiler 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 and Item 2 (GlobalFiler Express Kit and Yfiler Kit), Item 3 and Item 4 (GlobalFiler Kit and Yfiler Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
ER9YLN	Data analyzed using GeneMapper ID-X STRmix used for probabilistic genotyping

TABLE 5

WebCode	Additional Comments
FN9BHL	1. Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. 2. Quantification: DNA quantification was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction 7500 System. 3. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1 and Item 2 using the AmpFISTR Identifiler Direct PCR Amplification Kit, while on Item 3 and Item 4 using the AmpFISTR Identifiler Plus PCR Amplification Kit on the 9700 GeneAmp PCR System. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1, Item 2, Item 3 and Item 4 using the AmpFISTR Y-File PCR Amplification Kit on the 9700 GeneAmp PCR System. 4. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Identifiler Direct) and Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-File was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results.
J6ZECJ	Data reported out in this test is from analysis using GeneMapper IDX. STRmix analysis was conducted on this test.
L6UK7J	The data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on Item 3.
LBZDZE	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio 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 GlobalFiler 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 and Item 2 (GlobalFiler Express Kit and Yfiler Kit), Item 3 and Item 4 (GlobalFiler Kit and Yfiler Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
NBEL3E	STRmix analysis was conducted on Item 3. The data reported for this test was analyzed using GeneMapper ID-X.
QQF8H7	The DNA detected in sample 72771 is consistent with originating from a male source. The DNA detected in this sample matches the DNA profile obtained from Suspect. Excluding an identical twin, Suspect is the source of the DNA detected in this sample. Victim is excluded as a source of the DNA detected in this sample. The DNA detected in sample 72772 is consistent with originating from a male source. The DNA detected in this sample matches the DNA profile obtained from Victim. Excluding an identical twin, Victim is the source of the DNA detected in this sample. Suspect is excluded as a source of the DNA detected in this sample. A DNA profile originating from a male source was obtained from sample 72774 (Victim). A DNA profile originating from a male source was obtained from sample 72775 (Suspect).
RQVNDY	Test participant functions as Y-screen technician taking samples only through amplification and does not perform interpretations.
RV72TC	STRmix analysis conducted on Item 3 of this test. Data reported in this test is from analysis using GeneMapper ID-X.

TABLE 5

WebCode	Additional Comments
W9YR37	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio 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 GlobalFiler 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 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL 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.
XCT9R6	All data reported out in this proficiency originate from analysis using GeneMapper ID-X. Item 3 was analyzed using STRmix software in addition to GeneMapper ID-X.
Y72HML	No comparisons performed. [Name/Date]

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 21-5803: DNA-Blood

DATA MUST BE SUBMITTED BY **June 21, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: D47HL4

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 assault of a male victim. The victim's statement describes that a man pulled his car in front of the victim at a red light and got out of his car to confront the victim. The male suspect repeatedly punched the victim through his open window while the victim attempted to fight him off. The suspect fled the scene while the victim was trying to call police. Based on a detailed description by the victim, a suspect was apprehended and the suspect's shirt was collected. Investigators are submitting a stain from the shirt worn by the victim (Item 3) and the shirt the suspect was wearing (Item 4). Screening has been performed on both samples with the following results: Item 3 (victim's shirt) and Item 4 (suspect's shirt) are both positive for blood. Also collected were known blood samples from the male victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S3):

Item 1: Known blood from the male victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from victim's shirt (pink)

Item 4: Questioned blood stain from suspect's shirt (off-white)

Part I (continued): DNA Analysis - Additional DNA

- Use this section to report results for loci not currently listed in other sections of the data sheet.
- Report alleles in numerical order, separated by a comma.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- Click "Add Row" to show another row of boxes for entry.

Locus	Item 1	Item 2	Item 3	Item 4

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.

Optional Questions

1: For CTS internal purposes only, please provide the extraction method used for the Known Items 1 & 2.

2: For CTS internal purposes only, please provide the extraction method used for the Questioned Items 3 & 4.

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)

Submitted to CTS on:
NOT SUBMITTED