



DNA-Mixture Test No. 23-5806

Summary Report

Each participant received a sample set consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 201 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 set consisted of two known bloodstains on FTA™ Micro Cards (Items 1 and 2), and two questioned stains on colored fabric (Items 3 and 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1, 2, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain on Item 3 was prepared using a mixture of human whole blood and semen. Item 1 (75 μL) was created using blood from a female donor. Item 2 (75 μL) and Item 4 (50 μL) were created using blood from the same male donor. Item 3 (50 μL) was created using a 1:1 mixture of blood from the female donor used in Item 1 and semen from the male donor used in Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 16, 2023 following completion of the verification stage.

SAMPLE SET ASSEMBLY: For each sample set, all Items (1-4) were packaged into separate envelopes and then placed together in a pre-labeled sample set envelope and sealed. The sealed sample set 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	14,16	16,20	11.3,15	15,18	11,12	*
	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	X,X	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NM	NM	NM	NM	
2	13,14	18,21	12,14	15,16	11,12	*
	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15	2	
3-Blood	14,16	16,20	11.3,15	15,18	11,12	*
	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	X,X	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NM	NM	NM	NM	
3-Semen	13,14	18,21	12,14	15,16	11,12	*
	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15	2	
4	13,14	18,21	12,14	15,16	11,12	*
	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15	2	

YSTR Results										
Results compiled from predistribution laboratories and a consensus of at least 10 participants.										
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
2	36,39	15	16,17	13	30	21	10	11	13	
	14	11	13	21	30	15	17	10	28	
	39	11	12	20	15	20	21	14	12	
3-Semen	36,39	15	16,17	13	30	21	10	11	13	
	14	11	13	21	30	15	17	10	28	
	39	11	*	20	15	20	21	*	12	
4	36,39	15	16,17	13	30	21	10	11	13	
	14	11	13	21	30	15	17	10	28	
	39	11	*	20	15	20	21	*	12	

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

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

Summary Comments

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

DNA Analysis

For STR results, all participants reported consistent results, with the exception of thirteen participants which reported an inconsistent result for one or more items.

For YSTR results, all participants reported consistent results, with the exception of one participant.

DNA Interpretations

Of the 201 participants that returned results, 186 reported DNA interpretations. Nine participants stated that the samples were analyzed for database purposes only and six participants selected the "No Interpretation" option for each conclusion.

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

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

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

294XDQ	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
		17,18				8,11
2AGP68	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	XX
		24,25			18,26.2	6,7
		17,18				8,11
2DDELE	ESI 17 Fast					
		14,16	16,20	11.3,15	15,18	
1			11,12	14,14	20,22	8,11
		13,14	13,16.2	31,32.2	16,16	XX
		24,25			18,26.2	6,7
		17,18				
2DJWXC	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	NA	NA	18,26.2	6,7
		17,18	NA	NA	NA	NA
2ET7L4	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
		17,18				8,11
2EWXT7	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25			18,26.2	6,7
		17,18	NR			NR

TABLE 1

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

Item 1 - STR Results

2F4DZC	PowerPlex® Fusion					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	N/R				
2M2697	PowerPlex® Fusion 6C, GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	Not Detected			Not Detected	
2PT2XZ	PowerPlex® 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
2REF99	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
2WB7EK	GlobalFiler™ Direct (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
3ERZVF	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
3FYF68	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

3JYQYL	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
3KHAGZ	Investigator 26 plex QS					
	14,16	16,20	11.3,15	15,18	11,12	14,14
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18					
3NWFVE	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
3QY7NU	Investigator® 24plex QS					
	14,16	16,20	11.3,15	15,18	11,12	N/A
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	N/A	N/A	18,26.2	6,7	8,11
	17,18	N/A	N/A	N/A	N/A	
3RWNW4	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
3VCQVF	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
3XHCKZ	PowerPlex® Fusion 5C (M-FISys 11.09)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15		6,7	8,11
	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

44P4H6	Identifiler®					
		16,20		15,18	11,12	
1		11,11	11,12		11,13	8,11
		13,14	13,16.2	31,32.2	XX	10,13
		24,25			6,7	8,11
		17,18				
46Y82V	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	XX
		24,25		18,26.2	6,7	8,11
		17,18	NM		NM	
47QV8A	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25		18,26.2	6,7	8,11
		17,18				
4CZ647	Identifiler® Plus					
		16,20		15,18	11,12	
1		11,11	11,12		11,13	8,11
		13,14	13,16.2	31,32.2	XX	10,13
		24,25			6,7	8,11
		17,18				
4HJL4U	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	XX
		24,25		18,26.2	6,7	8,11
		17,18	NM		NM	
4L69WH	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25		18,26.2	6,7	8,11
		17,18				
4LJXZU	ESI17					
		14,16	16,20	11.3,15	15,18	
1			11,12	14,14	20,22	8,11
		13,14	13,16.2	31,32.2	16,16	XX
		24,25		18,26.2	6,7	
		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

4QWH8F	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
		17,18				8,11
4YQFH3	PowerPlex® Fusion 6C					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	9,10	7,15	18,26.2	6,7
		17,18	no results	no results	no results	8,11
676GGC	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	N/A	N/A	18,26.2	6,7
		17,18	N/A	N/A	N/A	8,11
6FUAP2	GlobalFiler™ Direct					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
		17,18				8,11
6N8TZ9	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
		17,18				8,11
6QCEPT	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	-	-	18,26.2	6,7
		17,18	-	-	-	8,11
6UQJC9	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	N/A	N/A	18,26.2	6,7
		17,18	N/A	N/A	N/A	8,11

TABLE 1

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

Item 1 - STR Results

6VPYWE	GlobalFiler™ (STRmix v2.7)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
72Q4BW	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
7HF7XT	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
7JQLC9	PowerPlex® Fusion					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NR				
7MMATF	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
7NMCHK	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
849CNA	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

8GHTWZ	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11,11	11,12	14,14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16,16	X,X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
8W83GH	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
8Z7EDG	PowerPlex®					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25	9,10	7,15		6,7 8,11
		17,18	NA			
9BLNG2	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
9GTJAU	GlobalFiler™ Direct					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
9P4DDH	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25	-	-	18,26.2	6,7 8,11
		17,18	-	-	-	-
9U2WH3	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
1		11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		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

9VT7V	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
9YVRGN	Investigator® 24plex GO					
	14,16	16,20	11.3,15	15,18	11,12	N/A
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	N/A	N/A	18,26.2	6,7	8,11
	17,18	N/A	N/A	N/A	N/A	
A87FT2	PowerPlex® Fusion 6C, GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	Not Detected			Not Detected	
A8LWLA	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
AGTEJ8	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
AJYWH3	PowerPlex® Fusion					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NR				
ATG7TV	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

AYBDQQ	GlobalFiler™ IQC					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
AYCBUY	Identifiler® Plus					
		16,20		15,18	11,12	
1	11,11	11,12			11,13	8,11
	13,14	13,16.2	31,32.2		XX	10,13
	24,25				6,7	8,11
	17,18					
B39BEN	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
BB2YGY	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
BK748U	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
BTJMGZ	PowerPlex® Fusion 6C, GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	Not detected			Not detected	
C4CXEQ	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	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

C6RDNL	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
CBXL2N	GlobalFiler™ (GeneMapper IDX)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
CEVF7X	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
CFB79A	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
CTY72X	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NR			NR	
CYJA8E	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
D93RNV	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

D96PDU	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NR			NR	
DGFBY4	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
DLVJM3	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	F			F	
DP9JJU	PowerPlex® Fusion 6C, GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,31.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	Not detected			Not detected	
DU2Q33	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
DXKHE6	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
DYFTXR	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

E4MJZX	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
	17,18				8,11	
E7U2YT	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
	17,18				8,11	
EB6QYP	GlobalFiler™ Direct					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13
		13,14	13,16.2	31,32.2	16	X
		24,25			18,26.2	6,7
	17,18				8,11	
EJ68E2	PowerPlex® Fusion 6C					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	9,10	7,15	18,26.2	6,7
	17,18	NR	NR	NR	8,11	
EW672Y	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25	N/A	N/A	18,26.2	6,7
	17,18	N/A	N/A	N/A	8,11	
					N/A	
F3UHN2	Investigator® 24plex					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25			18,26.2	6,7
	17,18	NR			8,11	
FCHABU	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	XX
		24,25			18,26.2	6,7
	17,18	NR			8,11	
					NR	

TABLE 1

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

Item 1 - STR Results

FFW8HG	Investigator® 24plex QS					
	14,16	16,20	11.3,15	15,18	11,12	n/a
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	X,X	10,13
	24,25	n/a	n/a	18,26.2	6,7	8,11
	17,18	N/A	n/a	n/a	n/a	
FZ3LY8	NGM SElect					
	14,16	16,20	11.3,15	15,18		
1		11,12	14,14	20,22		8,11
	13,14	13,16.2	31,32.2	16,16	X,X	
	24,25			18,26.2	6,7	
	17,18					
G2DNK7	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
GDMUKR	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
GFETYQ	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
GFTCJN	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
GHFKJV	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

GMDEN6	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
GXD3HM	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
H69RRJ	GlobalFiler™ (TrueAllele)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
HG39EY	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
HPBF4T	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
HRJVQL	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NR			NR	
HZEXRW	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	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

J4AGGU	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
JC4P2K	GlobalFiler™ Direct (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
JCPM8D	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
JE9CHV	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
JHVWJT	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
JLU8FT	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
JQ4V7W	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	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

K6YYNR	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NR		NR		
KC4GJ8	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
KPNN6R	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
KRCVUV	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
L46YBU	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
LEZJNY	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	--		--		
LRPGPX	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

LZ7MEU	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
M2CWWD	PowerPlex® 5C					
	14,16	16,20	11.3,15	15,18	11,12	--
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15	--	6,7	8,11
	17,18	--	--	--	--	
M6AQZL	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
M6BNBH	GlobalFiler™ Direct (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
M78QTE	PowerPlex® Fusion 6c					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
M7PH3Y	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
MAMYGD	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	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

MEJQMP	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
MGLL8T	PowerPlex® 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
MKMUB3	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
MR6ZAV	Investigator® 24plex					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	N/A				
N2QNH3	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
N37B8P	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	NA
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	NA	NA	18,26.2	6,7	8,11
	17,18	NA	NA	NA	NA	
NG3UHL	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	No Results	No Results	No 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

NUBCFF	GlobalFiler™ Direct (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
NX82WM	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
NYMTYY	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
P3FCFN	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
P49RHP	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
P9L68Y	PowerPlex® Fusion 5C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NA				
PNZD93	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

PXZ4RN	PowerPlex® Fusion					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NR				
Q2GNCJ	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	No Results			No Results	
Q49J2D	Signature Plus					
	14,16	16,20	11.3,15	15,18	11,12	14
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18					
QDRX3U	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
QHAQ7M	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	N/A
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	N/A	N/A	18,26.2	6,7	8,11
	17,18	N/A	N/A	N/A	N/A	
QJDFK	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
QJYP6Z	Investigator® 24plex QS					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	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

QW883V	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	X,X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	--			--	
QWLUEH	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
R2VAN7	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	X,X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
R8GYTT	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	No Results			No Results	
RCU8AK	PowerPlex® Fusion					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NR				
RFZ6RL	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
RVVZJ	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

RY76QT	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16,16	XX 10,13
		24,25			18,26.2	6,7 8,11
	17,18					
T4J7NJ	PowerPlex® Fusion					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25	9,10	7,15		6,7 8,11
	17,18	NR				
T9QWQP	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
	17,18					
TF9RL6	PowerPlex® Fusion 6C					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16,16	XX 10,13
		24,25	9,10	7,15	18,26.2	6,7 8,11
	17,18	NR	NR	NR		
TKLB4L	PowerPlex® Fusion 6C					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16,16	XX 10,13
		24,25	9,10	7,15	18,26.2	6,7 8,11
	17,18	ND	ND	ND		
TNAU6J	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
	17,18					
TNPL8W	PowerPlex® Fusion 5C					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25	9,10	7,15		6,7 8,11
	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

TV7GMQ	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
U2MACV	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
U6R6BJ	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	NA
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	NA	NA	18,26.2	6,7	8,11
	17,18	NA	NA	NA	NA	
U8U9WD	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
UA4NJ8	PowerPlex® ESI17					
	14,16	16,20	11.3,15	15,18		
1		11,12	14,14	20,22		8,11
	13,14	13,16.2	31,32.2	16,16	XX	
	24,25			18,26.2	6,7	
	17,18					
UXC6WE	Identifiler® Plus					
		16,20		15,18	11,12	
1	11,11	11,12			11,13	8,11
	13,14	13,16.2	31,32.2		XX	10,13
	24,25				6,7	8,11
	17,18					
V3EZ9E	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

V6MK8V	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
V7WPKJ	PowerPlex® Fusion 5C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NR				
VBRJHK	ESI-17					
	14,16	16,20	11.3,15	15,18		
1		11,12	14,14	20,22		8,11
	13,14	13,16.2	31,32.2	16,16	XX	
	24,25			18,26.2	6,7	
	17,18					
VCKWWH	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	N/A
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	N/A	N/A	18,26.2	6,7	8,11
	17,18	NSD	N/A	N/A	NSD	
VE9GXF	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
VJMLKW	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
VLUA9E	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

VN3U9V	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
VRFU6M	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
VYZUJ	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18	NR	NR	NR		
W2J843	PowerPlex® ESI-17 FAST					
	14,16	16,20	11.3,15	15,18		
1		[7],11,12	14,14	20,22		8,11
	13,14	13,16.2	31,32.2	16,16	XX	
	24,25			18,26.2	6,7	
	17,18					
W66WHD	PowerPlex®					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
W7UE67	GlobalFiler™ (excel sheet)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NA			NA	
WDR8DZ	Investigator® 24plex QS					
	14,16	16,20	11.3,15	15,18	11,12	n/a
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	n/a	n/a	18,26.2	6,7	8,11
	17,18	N/A	n/a	n/a	n/a	

TABLE 1

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

Item 1 - STR Results

WEKZ9J	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
WH6R JL	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
WHPZHA	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
WM39Y2	Investigator® 24plex QS, GO!					
	14,16	16,20	11.3,15	15,18	11,12	n/a
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	n/a	n/a	18,26.2	6,7	8,11
	17,18	n/a	n/a	n/a	n/a	
WMZLGM	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
WNR8WD	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
WWPY67	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

X43HFD	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18	No results			No results
XGUZVH	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12 N/A
	1	11,11	11,12	14,14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16,16	XX 10,13
		24,25	N/A	N/A	18,26.2	6,7 8,11
		17,18	N/A	N/A	N/A	N/A
XH6J38	GlobalFiler™ Direct					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
XQDB6A	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
XRT38M	GlobalFiler™ (STRmix)					
		14,16	16,20	11.3,15	15,18	11,12
	1	11,11	11,12	14,14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16,16	XX 10,13
		24,25			18,26.2	6,7 8,11
		17,18	--			--
XZNDQB	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	X 10,13
		24,25			18,26.2	6,7 8,11
		17,18				
Y6BALY	GlobalFiler™ Express					
		14,16	16,20	11.3,15	15,18	11,12
	1	11	11,12	14	20,22	11,13 8,11
		13,14	13,16.2	31,32.2	16	XX 10,13
		24,25			18,26.2	6,7 8,11
		17,18	NM			NM

TABLE 1

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

Item 1 - STR Results

YCVB2C	GlobalFiler™ Express					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	No Results			No Results	
YPGMDL	GlobalFiler™ (STRmix)					
	14,16	16,20	11.3,15	15,18	11,12	--
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	--	--	18,26.2	6,7	8,11
	17,18	--	--	--	--	
YXTAEF	PowerPlex® 21					
	14,16	16,20		15,18	11,12	14,14
1	11,11	11,12		20,22	11,13	8,11
	13,14	13,16.2	31,32.2		XX	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18					
YY7DZD	PowerPlex® Fusion					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18	NR				
Z7JLZF	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
ZBED9C	PowerPlex® Fusion 6C					
	14,16	16,20	11.3,15	15,18	11,12	
1	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	XX	10,13
	24,25	9,10	7,15	18,26.2	6,7	8,11
	17,18					
ZBWYPL	GlobalFiler™ Direct					
	14,16	16,20	11.3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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

ZFNUHZ	GlobalFiler™ (Genemapper Idx)					
	14,16	16,20	11,3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
ZK2EPL	GlobalFiler™					
	14,16	16,20	11,3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18					
ZNHETL	GlobalFiler™					
	14,16	16,20	11,3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	No results			No results	
ZRGQPL	GlobalFiler™					
	14,16	16,20	11,3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	17,18	No Result			No Result	
ZUQV3A	GlobalFiler™ (STRmix)					
	14,16	16,20	11,3,15	15,18	11,12	
1	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	X	10,13
	24,25			18,26.2	6,7	8,11
	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 2 - STR Results

294XDQ	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
2AGP68	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
2DDELE	ESI 17 Fast					
		13,14	18,21	12,14	15,16	
2			13,15	11,12	18,22	12,12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17				
2DJWXC	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12 NA
2		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	NA	NA	20,30.2	6,7 11,11
		15,17	10	NA	NA	2
2ET7L4	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
2EWXT7	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
2F4DZC	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			

TABLE 1

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

Item 2 - STR Results

2M2697	PowerPlex® Fusion 6C, GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
2PT2XZ	PowerPlex® 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12	20,30.2	6,7	11
	15,17	10	20	15		
2REF99	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2WB7EK	GlobalFiler™ Direct (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3ERZVF	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3FYF68	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3JYQYL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

3KHAGZ	Investigator 26 plex QS					
	13,14	18,21	12,14	15,16	11,12	12,13
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17	10				
3NWFVE	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
3QY7NU	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	N/A	
3RWNW4	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
3VCQVF	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3XHCKZ	PowerPlex® Fusion 5C (M-FISys 11.09)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17	10				
44P4H6	Identifiler®					
		18,21		15,16	11,12	
2	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					

TABLE 1

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

Item 2 - STR Results

46Y82V	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
47QV8A	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
4CZ647	Identifiler® Plus					
		18,21		15,16	11,12	
2	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
4HJL4U	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
4L69WH	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
4LJXZU	ESI17					
	13,14	18,21	12,14	15,16		
2		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
4QWH8F	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

4YQFH3	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
676GGC	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
6FUAP2	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
6N8TZ9	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
6QCEPT	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	-
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	-	-	20,30.2	6,7	11,11
	15,17	10	-	-	2	
6UQJC9	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
6VPYWE	GlobalFiler™ (STRmix v2.7)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

72Q4BW	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
7HF7XT	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
7JQLC9	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
7MMATF	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
7NMCHK	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
849CNA	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
8GHTWZ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

8W83GH	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
8Z7EDG	PowerPlex®					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			
9BLNG2	GlobalFiler™ Express					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
9GTJAU	GlobalFiler™ Direct					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
9P4DDH	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	-	-	20,30.2	6,7 11
		15,17	10			2
9U2WH3	GlobalFiler™ Express					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
9VT7V	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
		15,17	10,10	20,20	15,15	

TABLE 1

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

Item 2 - STR Results

9YVRGN	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	N/A	
A87FT2	PowerPlex® Fusion 6C, GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
A8LWLA	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AGTEJ8	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AJYWH3	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
ATG7TV	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AYBDQQ	GlobalFiler™ IQC					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

AYCBUY	Identifiler® Plus					
		18,21		15,16	11,12	
2	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
B39BEN	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
BB2YGY	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
BK748U	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
BTJMGZ	PowerPlex® Fusion 6C, GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
C4CXEQ	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
C6RDNL	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		

TABLE 1

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

Item 2 - STR Results

CBXL2N	GlobalFiler™ (GeneMapper IDX)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
CEVF7X	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
CFB79A	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
CTY72X	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
CYJA8E	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
D93RNV	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
D96PDU	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

DGFBY4	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
DLVJM3	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
DP9JJU	PowerPlex® Fusion 6C, GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
DU2Q33	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
DXKHE6	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
DYFTXR	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
E4MJZX	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

E7U2YT	GlobalFiler™ (Strmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
EB6QYP	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
EJ68E2	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
EW672Y	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
F3UHN2	Investigator® 24plex					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				
FCHABU	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
FFW8HG	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	n/a
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	n/a	n/a	n/a	

TABLE 1

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

Item 2 - STR Results

FZ3LY8	NGM SElect					
		13,14	18,21	12,14	15,16	
2			13,15	11,12	18,22	12,12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17				
G2DNK7	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
GDMUKR	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
GFETYQ	GlobalFiler™ Direct					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
GFTCJN	GlobalFiler™ Direct					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
GHFKJV	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
GMDEN6	GlobalFiler™ Direct					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 2 - STR Results

GXD3HM	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
H69RRJ	GlobalFiler™ (TrueAllele)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
HG39EY	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
HPBF4T	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
HRJVQL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
HZEXRW	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
J4AGGU	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

JC4P2K	GlobalFiler™ Direct (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
JCPM8D	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
JE9CHV	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
JHVVJT	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
JLU8FT	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
JQ4V7W	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
K6YYNR	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

KC4GJ8	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
KPNN6R	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
KRCVUV	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
L46YBU	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
LEZJNY	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
LRPGPX	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
LZ7MEU	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		

TABLE 1

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

Item 2 - STR Results

M2CWWD	PowerPlex® 5C					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12	--	6,7
		15,17	10	--	--	--
M6AQZL	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
M6BNBH	GlobalFiler™ Direct (STRmix)					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
M78QTE	PowerPlex® Fusion 6c					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12	20,30.2	6,7
		15,17	10	20	15	
M7PH3Y	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
MAMYGD	GlobalFiler™ Express					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
MEJQMP	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
		15,17	10	20	15	

TABLE 1

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

Item 2 - STR Results

MGLL8T	PowerPlex® 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
MKMUB3	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
MR6ZAV	Investigator® 24plex					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				
N2QNH3	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
N37B8P	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	NA	NA	20,30.2	6,7	11,11
	15,17	10	NA	NA	2	
NG3UHL	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
NUBCFF	GlobalFiler™ Direct (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

NX82WM	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
NYMTYY	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
P3FCFN	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
P49RHP	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
	15,17	10	20	15		
P9L68Y	PowerPlex® Fusion 5C					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
	15,17	10				
PNZD93	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
PXZ4RN	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
	2	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
	15,17	10				

TABLE 1

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

Item 2 - STR Results

Q2GNCJ	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
Q49J2D	Signature Plus					
	13,14	18,21	12,14	15,16	11,12	12,13
2	9,11	13,15	11,12	18	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17					
QDRX3U	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
QHAQ7M	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
QJDFDK	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
QJYP6Z	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				
QW883V	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

QWLUEH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
R2VAN7	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
R8GYTT	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
RCU8AK	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
RFZ6RL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
RVVZJ	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
RY76QT	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

T4J7NJ	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12	6,7	11
		15,17	10			
T9QWQP	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
TF9RL6	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
		15,17	10	20	15	
TKLB4L	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
		15,17	10	20	15	
TNAU6J	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
TNPL8W	PowerPlex® Fusion 5C					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12	6,7	11
		15,17	10			
TV7GMQ	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 2 - STR Results

U2MACV	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
U6R6BJ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	NA	NA	20,30.2	6,7	11,11
	15,17	10	NA	NA	2	
U8U9WD	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
UA4NJ8	PowerPlex® ESI17					
	13,14	18,21	12,14	15,16		
2		13,15	11,12	18,22		12,12
	11,15	11,(13),15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
UXC6WE	Identifiler® Plus					
		18,21		15,16	11,12	
2	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
V3EZ9E	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
V6MK8V	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

V7WPKJ	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
VBRJHK	ESI-17					
	13,14	18,21	12,14	15,16		
2		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
VCKWWH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
VE9GXF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VJMLKW	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VLUA9E	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VN3U9V	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

VRFU6M	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VYZUJ	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
W2J843	PowerPlex® ESI-17 FAST					
	13,14	18,21	[11],12,14	15,16		
2		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
W66WHD	PowerPlex®					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15	2	
W7UE67	GlobalFiler™ (excel sheet)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
WDR8DZ	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	n/a
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	n/a	n/a	n/a	
WEKZ9J	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

WH6RJL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WHPZHA	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
WM39Y2	Investigator® 24plex QS, 27flexplex					
	13,14	18,21	12,14	15,16	11,12	n/a
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	12,12	20,30.2	6,7	11,11
	15,17	10	20	15	n/a	
WMZLGM	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WNR8WD	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WWPY67	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
X43HFD	GlobalFiler™ Express					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

XGUZVH	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	N/A
	2	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2		
XH6J38	GlobalFiler™ Direct						
		13,14	18,21	12,14	15,16	11,12	
	2	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
	15,17	10			2		
XQDB6A	GlobalFiler™ (STRmix)						
		13,14	18,21	12,14	15,16	11,12	
	2	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
	15,17	10			2		
XRT38M	GlobalFiler™ (STRmix)						
		13,14	18,21	12,14	15,16	11,12	
	2	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11,11
	15,17	10			2		
XZNDQB	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	
	2	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
	15,17	10			2		
Y6BALY	GlobalFiler™ Express						
		13,14	18,21	12,14	15,16	11,12	
	2	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
	15,17	10			2		
YCVB2C	GlobalFiler™ Express						
		13,14	18,21	12,14	15,16	11,12	
	2	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
	15,17	10			2		

TABLE 1

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

Item 2 - STR Results

YPGMDL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	--
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	--	--	20,30.2	6,7	11,11
	15,17	10	--	--	2	
YXTAEF	PowerPlex® 21					
	13,14	18,21		15,16	11,12	12,13
2	9,11	13,15		18,22	9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17					
YY7DZD	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
Z7JLZF	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,14	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
ZBED9C	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
ZBWWPL	GlobalFiler™ Direct					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
ZFNUHZ	GlobalFiler™ (Gene Mapper IDx)					
	13,14	18,21	12,14	15,16	11,12	
2	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 2 - STR Results

ZK2EPL	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
ZNHETL	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
ZRGQPL	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
ZUQV3A	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
2		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 3 - STR Results

MAMYGD	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,10,11
	15,17,18	10			2	
MGLL8T	Investigator® 24plex					
	13,14,[16]	16,18,20,21	11.3,12,14,15	15,16,[18]	11,12	
3	9,11	11,12,13,15	11,12,14	18,[20],22	9,11,[13]	[8],[11],12
	11,13,14,15	11,[13],15.2,[16.2]	28,29,[31],[32.2]	11,16	X,Y	8,[10],11,[13]
	21,24,[25]			[18],20,[26.2],30.2	6,7	[8],11
	15,17,[18]	10				
W66WHD	PowerPlex®					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15	2	
W7UE67	GlobalFiler™ (LRMIX STUDIO)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
Z7JLZF	PowerPlex® Fusion 6C (BulletProof)					
	13,14,[16]	[16],18,[20],21	[11.3],12,14,[15]	15,16,[18]	11,12	
3	9,11	[11],[12],13,15	11,12,[14]	18,[20],22	9,11,[13]	[8],[11],12
	11,[13],[14],15	11,[13],15.2,[16.2]	28,29,[31],[32.2]	11,16	X,Y	8,[10],11,[13]
	21,24,[25]	[9],10,13	[7],12,[15]	[18],20,[26.2],30.2	6,7	[8],11
	15,17,[18]	10	20	15		
ZBED9C	PowerPlex® Fusion 6C (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		

TABLE 1

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

Item 3e - STR Results

294XDQ	GlobalFiler™					
	14,16	16,20,21	11.3,14,15	15,16,18	11,12	
3e	11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,31,32.2	11,16	X,Y	10,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	17,18	10				
2AGP68	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
2DDELE	ESI 17 Fast					
	[13],14,16	16,[18],20,[21]	11.3,[12],15	15,[16],18		
3e		11,12,[13],15	[11],[12],14,14	[18],20,22		8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28,29],31,32.2	[11],16,16	X,X,[Y]	
	[21],24,25			18,26.2 [20,30.2]	6,7	
	[15],17,18					
2DJWXC	GlobalFiler™					
	13,14,16	16,18,20	11.3,14,15	15,16,18	11,12	NA
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	NA	NA	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	NA	NA	2	
2EWXT7	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10			2	
2F4DZC	PowerPlex® Fusion					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
2M2697	GlobalFiler™					
	[13],14,16	16,[18],20	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11,11	11,12,[13],[15]	[11],[12],14,14	20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16,16	X,X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[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 3e - STR Results

2PT2XZ	PowerPlex® 6C (STRmix)					
	14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	11	11,12,13	12,14	20,22	9,11,13	8,11,12
	11,13,14	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18		20	15		
2REF99	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
2WB7EK	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	17,18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16,17	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
3ERZVF	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10				
3FYF68	GlobalFiler™					
	14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
3JYQYL	GlobalFiler™					
	[13],14,16	16,20,[21]	11.3,15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	31,32.2	[11],16	X,[Y]	10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]			[2]	
3KHAGZ	INVESTIGATOR 26 PLEX QS					
	13,14,16	15,18	11.3,14,15	15,18	11,12	12,14
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	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 3e - STR Results

3QY7NU	Investigator® 24plex QS					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	N/A
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	N/A	N/A	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	N/A	N/A	N/A	
3RWNW4	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
3VCQVF	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10				
3XHCKZ	PowerPlex® Fusion 5C (M-FISys 11.09)					
	14,16	16,20	11.3,15	15,18	11,12	
3e	11,11	11,12	14,14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16,16	X,X	10,13
	24,25	9,10	7,15		6,7	8,11
	17,18					
44P4H6	Identifiler®					
		16,18,20,21		15,16,18	11,12	
3e	9,11	11,12,13,15			9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2		X,Y	8,10,11,13
	21,24,25				6,7	8,11
	15,17,18					
46Y82V	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
47QV8A	GlobalFiler™					
	13,14,16	16,18,20	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

4CZ647	Identifiler® Plus	16,18,20,21		15,16,18	11,12	
3e		9,11	11,12,13,15		9,11,13	8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	X,Y	8,10,11,13
		21,24,25			6,7	8,11
		15,17,18				
4HJL4U	GlobalFiler™	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
3e		11	11,12,13,15	14	18,20,22	11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2	6,7
		15,17,18	10			2
4L69WH	GlobalFiler™ (STRmix)	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
3e		9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2,30.2	6,7
		15,17,18	10			2
4LJXZU	ESI17	14,16	16,20	11.3,15	15,18	
3e			11,12	14,14	20,22	8,11
		13,14	13,16.2	31,32.2	16,16	X,X
		24,25			18,26.2	6,7
		17,18				
4QWH8F	GlobalFiler™ (STRmix)	13,14,16	16,18,20	11.3,12,14,15	15,16,18	11,12
3e		9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2,30.2	6,7
		15,17,18	10			2
4YQFH3	PowerPlex® Fusion 6C	14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18	11,12
3e		[9],11	11,12,[13,15]	[11],[12],14	20,22	[9],11,13
		13,14,[15]	13,[15.2],16.2	[28,29],31,32.2	[11],16	X,[Y]
		24,25	9,10	7,[12],15	18,[20],26.2,[30.2]	6,7
		[15],17,18	no results	no results	no results	
676GGC	GlobalFiler™	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
3e		9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25	N/A	N/A	18,20,26.2,30.2	6,7
		15,17,18	10	N/A	N/A	2

TABLE 1

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

Item 3e - STR Results

6N8TZ9	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
6QCEPT	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	-
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	-	-	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	-	-	2	
6UQJC9	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	N/A
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	N/A	N/A	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	N/A	N/A	2	
6VPYWE	GlobalFiler™ (STRmix v2.7)					
	14,16	16,18,20	11.3,12,14,15	15,18	11,12	
3e	9,11	11,12,13	11,12,14	18,20,22	11,13	8,11
	13,14,15	13,15.2,16.2	29,31,32.2	11,16	X	10,11,13
	24,25			18,26.2	6,7	8,11
	15,17,18					
72Q4BW	GlobalFiler™ (strmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11,12	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,29.2,30.2	6,7	8,11
	15,17,18	10			2	
7HF7XT	PowerPlex® Fusion 6C (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
7JQLC9	PowerPlex® Fusion					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	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 3e - STR Results

7MMATF	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
7NMCHK	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
849CNA	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
8GHTWZ	GlobalFiler™					
	[13],14,[16]	16,18,20,[21]	11.3,12,14,15	15,[16],[18]	11,12	
3e	[9],11	11,12,13,15	[11],[12],14	18,[20],22	[9],11,[13]	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	[11],16	X,[Y]	8,10,11,13
	21,24,[25]			18,20,26.2,30.2	6,7	[8],11
	[15],17,[18]	10			2	
8W83GH	GlobalFiler™					
	14,16	16,20,[21]	11.3,[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]			[2]	
8Z7EDG	PowerPlex®					
	14,16	16,[18],20,[21]	11.3,15	15,[16],18	11,12	
3e	[9],11	11,12,[13,15]	[11,12],14	[18],20,22	11,13	8,11,[12]
	[11],13,14,[15]	[11],13,16.2	[28,29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25	9,10,[13]	7,[12],15		6,7	8,11
	[15],17,18	10				
9BLNG2	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

9GTJAU	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,14,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16,17	X,Y	8,10,11,13
	21,24,25			18,20,26.2,29.2,30.2	6,7	8,11
	15,17,18	10			2	
9P4DDH	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	-	-	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	-	-	2	
9U2WH3	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
9VT7V	PowerPlex® Fusion 6C (DNAxs)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
9YVRGN	Investigator® 24plex QS					
	(13),14,16	16,(18),20,(21)	11.3,(12),(14),15	15,(16),18	11,12	N/A
3e	(9),11	11,12,(13),(15)	(11),(12),14	(18),20,22	(9),11,13	8,11,(12)
	(11),13,14,(15)	(11),13,(15.2),16.2	(28),(29),31,32.2	(11),16	X,Y	(8),10,(11),13
	(21),24,25	N/A	N/A	18,(20),26.2,(30.2)	6,7	8,11
	(15),17,18	10	N/A	N/A	N/A	
A87FT2	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[14],15	15,18	11,12	
3e	[9],11,11	11,12,[13],[15]	[11],[12],14,14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16,16	X,X,[Y]	[8],10,13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]			[2]	
A8LWLA	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	[11],16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,[30.2]	6,7	8,11
	15,17,18	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 3e - STR Results

AGTEJ8	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
AJYWH3	PowerPlex® Fusion					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
ATG7TV	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11,12	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16,17	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
AYBDQQ	GlobalFiler™ IQC					
	[13],14,16	16,[18],20,[21]	11.3,[12,14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13,15]	[11,12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28,29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10			2	
AYCBUY	Identifiler® Plus					
		16,18,20,21		15,16,18	11,12	
3e	9,11	11,12,13,15			9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2		X,Y	8,10,11,13
	21,24,25				6,7	8,11
	15,17,18					
B39BEN	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
3e	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
BB2YGY	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

BK748U	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,13,14,15	15,16,18	9,11,12	
3e	9,11,12	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,13.2,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	19,20,21,24,25			18,20,26.2,29.2,30.2	6,7	8,11
	15,17,18	10			2	
BTJMGZ	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18	11,12	
3e	[9],11,11	11,12,[13],[15]	[11],[12],14,14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16,16	X,X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	[8],11
	[15],17,18	[10]			[2]	
C4CXEQ	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11,12	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
C6RDNL	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
CBXL2N	GlobalFiler™ (GeneMapper IDX)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
CEVF7X	PowerPlex® Fusion 6C					
	14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
CFB79A	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18				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 3e - STR Results

CTY72X	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
	3e [9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],[26.2]	6,7	8,11
	17,18	NR		2		
CYJA8E	GlobalFiler™ (STRmix both fractions)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
	3e 9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10		2		
D93RNV	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
	3e 9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10		2		
D96PDU	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
	3e [9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10		2		
DGFBY4	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
	3e 9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10		2		
DLVJM3	GlobalFiler™					
	13,14,[16]	[16],18,[20],21	12,14,[15]	15,16,[18]	11,12	
	3e 9,11	[11],12,13,15	11,12,[14]	18,[20],22	9,11,[13]	[8,11],12,12
	11,[13,14],15	11,[13],15.2,[16.2]	28,29,[31,32.2]	11,16	X,Y	8,[10],11,[13]
	21,24,[25]			20,30.2 [18,26.2]	6,7	[8],11,11
	15,17,[18]	10		2		
DP9JJU	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18	11,12	
	3e [9],11,11	11,12,[13],[15]	[11],[12],14,14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16,16	X,X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[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 3e - STR Results

DU2Q33	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
DXKHE6	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
E4MJZX	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
E7U2YT	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
EJ68E2	PowerPlex® Fusion 6C (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
EW672Y	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	N/A
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	N/A	N/A	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	N/A	N/A	2	
F3UHN2	Investigator® 24plex (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

FCHABU	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10			2	
FFW8HG	Investigator® 24plex QS					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	n/a
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,Y	[8],10,[11],13
	[21],24,25	n/a	n/a	18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10	n/a	n/a	n/a	
FZ3LY8	NGM SElect (STRmix)					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18		
3e		11,12,[13],[15]	[11],[12],14	[18],20,22		8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	
	[21],24,25			18,[20],26.2,[30.2]	6,7	
	[15],17,18					
G2DNK7	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[14],15	15,18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	NR			[2]	
GDMUKR	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
GFETYQ	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11,12	11,12,13,15	11,12,14	17.3,18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16,17	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
GFTCJN	GlobalFiler™ (STRmix)					
	14,16	16,18,20	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

GHFKJV	GlobalFiler™					
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y 8,10,11,13
		21,24,25			18,20,26.2,30.2	6,7 8,11
	15,17,18	10			2	
GMDEN6	GlobalFiler™ (STRmix)					
		13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16,17	X,Y 8,10,11,13
		21,24,25			18,26.2,30.2	6,7 8,11
	15,17,18	10			2	
GXD3HM	GlobalFiler™ (STRmix)					
		13,14,16	16,18,20,21	11.3,12,14,15	13,15,16,18	11,12
	3e	9,11,12	11,12,13,14,15	11,12,14	18,20,22	9,11,13 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y 8,10,11,13
		21,24,25			18,19,20,26.2,30.2	4,6,7 8,11
	15,17,18	10			2	
H69RRJ	GlobalFiler™ (TrueAllele)					
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y 8,10,11,13
		21,24,25			18,20,26.2,30.2	6,7 8,11
	15,17,18	10			2	
HG39EY	GlobalFiler™					
		13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13,14 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y 8,10,11,13
		21,24,25			18,20,26.2,30.2	6,7 8,11
	15,17,18	10			2	
HPBF4T	GlobalFiler™ (STRmix)					
		13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y 8,10,11,13
		21,24,25			18,20,26.2,30.2	6,7 8,11
	15,17,18	10			2	
HRJVQL	GlobalFiler™					
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13 8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y 8,10,11,13
		21,24,25			18,20,26.2,30.2	6,7 8,11
	15,17,18	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 3e - STR Results

HZEXRW	GlobalFiler™					
		14,16	16,20	11.3,15	15,18	11,12
	3e	11,11	11,12	14,14	20,22	11,13
		13,14	13,16.2	31,32.2	16,16	X,X
		24,25			18,26.2	6,7
	17,18				8,11	
J4AGGU	GlobalFiler™ (STRmix)					
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2,30.2	6,7
	15,17,18	10			8,11	
					2	
JC4P2K	GlobalFiler™ (STRmix)					
		13,14,16	16,18,20,21	11.3,14,15	15,16,18	9,11,12
	3e	7,9,11,12	9,11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,21.2,24,25,25.2			18,20,26.2,30.2	6,7
	15,17,18	10			8,11	
					2	
JCPM8D	GlobalFiler™					
		[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12
	3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13
		[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]
		[21],24,25			18,[20],26.2,[30.2]	6,7
	[15],17,18	10			[8],11	
					2	
JE9CHV	GlobalFiler™					
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2,30.2	6,7
	15,17,18	10			8,11	
					2	
JHVWJT	GlobalFiler™ (STRmix)					
		14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2,30.2	6,7
	15,17,18	10			8,11	
					2	
JLU8FT	GlobalFiler™ (STRmix)					
		14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y
		21,24,25			18,20,26.2,30.2	6,7
	15,17,18	10			8,11	
					2	

TABLE 1

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

Item 3e - STR Results

JQ4V7W	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11,11	11,12,[13],[15]	[11],[12],14,14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16,16	X,X,[Y]	[8],10,[11],13
	[21],24,25			18,26.2 [20] [30.2]	6,7	8,11
	[15],17,18	[10]			[2]	
K6YYNR	PowerPlex® Fusion 5C					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
KC4GJ8	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]			[2]	
KPNN6R	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
L46YBU	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
LEZJNY	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
LRPGPX	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

LZ7MEU	PowerPlex® Fusion 6C (STRmix v. 2.5.11)					
	13,14,16	16,18,20,21	11,3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15,2,16,2	28,29,31,32,2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26,2,30,2	6,7	8,11
	15,17,18	10	20	15		
M2CWWD	PowerPlex® 5C					
	13,14,16	16,18,20,21	--	15,16,18	11,12	--
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15,2,16,2	28,29,31,32,2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	--	6,7	8,11
	15,17,18	10	--	--	--	
M6AQZL	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11,3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15,2,16,2	28,29,31,32,2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26,2,30,2	6,7	8,11
	15,17,18	10			2	
M6BNBH	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11,3,14,15	15,16,18	9,11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15,2,16,2	28,29,31,32,2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26,2,30,2	6,7	8,11
	15,17,18	10			2	
M78QTE	PowerPlex® Fusion 6c (STRmix 2.6.3)					
	13,14,16	16,18,20,21	11,3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	12,14	20,22	9,11,13	8,11,12
	11,13,14,15	13,15,2,16,2	28,29,31,32,2	16	X	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,26,2,30,2	6,7	8,11
	15,17,18	10	20			
M7PH3Y	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11,3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15,2,16,2	28,29,31,32,2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26,2,30,2	6,7	8,11
	15,17,18	10			2	
MEJQMP	PowerPlex® Fusion 6C (STRmix)					
	13,14,16	16,18,20,21	11,3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15,2,16,2	28,29,31,32,2	11,16	X,Y	8,10,11,13
	21,24,25	9,10	7,12,15	18,26,2	6,7	8,11
	15,17,18	10	20	15		

TABLE 1

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

Item 3e - STR Results

MKMUB3	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
MR6ZAV	Investigator® 24plex (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10				
N2QNH3	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
N37B8P	GlobalFiler™					
	13,14,16	16,18,20	11.3,14,15	15,16,18	11,12	NA
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	NA	NA	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	NA	NA	2	
NG3UHL	PowerPlex® Fusion 6C					
	14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],15	[11,12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28,29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25	9,10,[13]	7,[12],15	18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10	20	15		
NUBCFF	GlobalFiler™ (STRmix)					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[12],14	20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10			2	
NX82WM	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

NYMTYY	GlobalFiler™						
		14,16	16,20	11.3,[14],15	15,[16],18	11,12	
	3e	[9],11	11,12,[15]	[11],[12],14	20,22	[9],11,13	8,11,[12]
		[11],13,14,[15]	[11],13,[15.2],16.2	[28],31,32.2	[11],16	X,[Y]	10,[11],13
		[21],24,25			18,[20],26.2	6,7	8,11
	17,18	[10]			[2]		
P3FCFN	GlobalFiler™						
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
		21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2		
P49RHP	PowerPlex® Fusion 6C						
		13,14,16	16,18,20	11.3,12,14,15	15,16,18	11,12	
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
		21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15			
P9L68Y	PowerPlex® Fusion 5C						
		14,16	16,[18],20	11.3,15	15,[16],18	11,12	
	3e	[9],11	11,12,[15]	[11],14	20,22	[9],11,13	8,11,[12]
		[11],13,14,[15]	[11],13,16.2	[28],[29],31,32.2	16	X	10,13
		24,25	9,10	7,[12],15		6,7	8,11
	17,18	NA					
PNZD93	GlobalFiler™						
		[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
	3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,12
		[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
		[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]			[2]		
PXZ4RN	PowerPlex® Fusion						
		13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
		11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
		21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10					
Q2GNCJ	GlobalFiler™						
		[13],14,16	16,[18],20,[21]	11.3,[12,14],15	15,[16],18	11,12	
	3e	[9],11	11,12,[13,15]	[11,12],14	[18],20,22	[9],11,13	8,11,[12]
		[11],13,14,[15]	[11],13,[15.2],16.2	[28,29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
		[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[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 3e - STR Results

Q49J2D	Signature Plus					
	14,16	16,20	11.3,12,14,15	15,16,18	11,12	12,13,14
3e	9,11	11,12,15	14	20	9,11,13	8,11,12
	13,14,15	11,13,16.2	31,32.2	16	X	10,13
	24,25	9,10	7,12,15		6,7	8,11
	17,18					
QDRX3U	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	11	11,12,13	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
QHAQ7M	GlobalFiler™					
	13,14,16	16,20,21	11.3,14,15	15,16,18	11,12	N/A
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14	13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	N/A	N/A	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	N/A	N/A	2	
QJDFDK	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
QJYP6Z	Investigator® 24plex QS					
	(13),14,16	16,(18),20,(21)	11.3,(12,14),15	15,(16),18	11,12	
3e	(9),11,11	11,12,(13,15)	(11,12),14,14	20,22	(9),11,13	8,11,(12)
	(11),13,14,(15)	(11),13,(15.2),16.2	(28,29),31,32.2	(11),16,16	X,X	(8),10,(11),13
	(21),24,25			18,26.2,(20,30.2)	6,7	8,11
	(15),17,18	(10)				
QW883V	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
QWLUEH	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

R2VAN7	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
RCU8AK	PowerPlex® Fusion					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
RFZ6RL	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
RVVZJ	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	10,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
RY76QT	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
T4J7NJ	PowerPlex® Fusion					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
T9QWQP	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18				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 3e - STR Results

TF9RL6	PowerPlex® Fusion 6C (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		
TKLB4L	PowerPlex® Fusion 6C					
	[13],14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18	11,12	
3e	[9],11,11	11,12,[13],[15]	[11],[12],14,14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16,16	X,X,[Y]	[8],10,[11],13
	[21],24,25	9,10,[13]	7,[12],15	18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]	[20]	[15]		
TNAU6J	GlobalFiler™ (STRmix)					
	13,14,16	16,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
TNPL8W	PowerPlex® Fusion 5C					
	14,16	16,(18),20,(21)	11.3,(14),15	15,(16),18	11,12	
3e	(9),11	11,12,(13)	(11,12),14	(18),20,22	(9),11,13	8,11,(12)
	(11),13,14,(15)	(11),13,(15.2),16.2	(28,29),31,32.2	(11),16	X,(Y)	(8),10,(11),13
	(21),24,25	9,10,(13)	7,(12),15		6,7	8,11
	(15),17,18	10				
TV7GMQ	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
U2MACV	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
U6R6BJ	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	NA
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	NA	NA	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	NA	NA	2	

TABLE 1

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

Item 3e - STR Results

U8U9WD	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
UA4NJ8	PowerPlex® ESI17					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18		
3e		11,12,13,15	11,12,14	18,20,22		8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	
	21,24,25			18,20,26.2,30.2	6,7	
	15,17,18					
UXC6WE	Identifiler® Plus					
		16,18,20,21		15,16,18	11,12	
3e	9,11	11,12,13,15			9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2		X,Y	8,10,11,13
	21,24,25				6,7	8,11
	15,17,18					
V3EZ9E	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
V6MK8V	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
V7WPKJ	PowerPlex® Fusion 5C					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
VBRJHK	ESI-17					
	[13],14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18		
3e		11,12,[13],[15]	[11],[12],14	[18],20,22		8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	
	[21],24,25			18,[20],26.2,[30.2]	6,7	
	[15],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 3e - STR Results

VCKWWH	GlobalFiler™					
	14,16	16,18,20,21	11.3,15	15,16,18	11,12	N/A
3e	9,11	11,12,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,13
	21,24,25	N/A	N/A	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	N/A	N/A	2	
VE9GXF	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
VJMLKW	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[10]			[2]	
VLUA9E	GlobalFiler™ (STRmix)					
	14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
VN3U9V	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
VRFU6M	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	20,22	9,11,13	8,11,12
	11,13,14,15	13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
VYVZUJ	PowerPlex® Fusion 6C					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	9,10,13	7,12,15	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	20	15		

TABLE 1

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

Item 3e - STR Results

W2J843	PowerPlex® ESI-17 FAST					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18		
3e		11,12,13,15	11,12,14	[17],18,20,22		8,11,12
	11,13,14,15,[16]	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	
	[20],21,24,25,[26]			18,20,26.2,30.2	6,7	
	15,17,18					
WDR8DZ	Investigator® 24plex QS					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	n/a
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,12
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	16	X,[Y]	[8],10,[11],13
	[21],24,25	n/a	n/a	18,[20],26.2,[30.2]	6,7	[8],11
	[15],17,18	INC	n/a	n/a	n/a	
WEKZ9J	GlobalFiler™					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
WH6R JL	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
WHPZHA	PowerPlex® Fusion 6C					
	14,16	16,[18],20,[21]	11.3,[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	[18],20,22	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25	9,10,[13]	7,[12],15	18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	10	No Results	15		
WM39Y2	Investigator® 24plex					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	n/a
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25	n/a	n/a	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	n/a	n/a	n/a	
WMZLGM	GlobalFiler™ (STRmix)					
	14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

WWPY67	GlobalFiler™ (STRmix)						
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12		
	3e	9,11,12	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16,17	X,Y	8,10,11,13	
	21,24,25			18,20,26.2,30.2	6,7	8,11	
	15,17,18	10			2		
X43HFD	GlobalFiler™ (STRmix)						
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12		
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13	
	21,24,25			18,20,26.2,30.2	6,7	8,11	
	15,17,18	10			2		
XGUZVH	GlobalFiler™						
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	N/A	
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13	
	21,24,25	N/A	N/A	18,20,26.2,30.2	6,7	8,11	
	15,17,18	10	N/A	N/A	2		
XH6J38	GlobalFiler™ (STRmix)						
	13,14,16,17	16,18,20,21	11.3,12,14,15	15,16,18	11,12		
	3e	9,11,12	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13	
	21,24,25			18,20,26.2,30.2,31.2	6,7	8,11	
	15,17,18	10			2		
XQDB6A	GlobalFiler™ (STRmix)						
	14,16	16,18,20,21	11.3,14,15	15,16,18	11,12		
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13	
	21,24,25			18,20,26.2,30.2	6,7	8,11	
	15,17,18	10			2		
XRT38M	GlobalFiler™ (STRmix)						
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12		
	3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13	
	21,24,25			18,20,26.2,30.2	6,7	8,11	
	15,17,18	10			2		
XZNDQB	GlobalFiler™						
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12		
	3e	9,11	11,12,13	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,16.2	28,31,32.2	11,16	X,Y	8,10,11,13	
	21,24,25			18,20,26.2,30.2	6,7	8,11	
	15,17,18	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 3e - STR Results

Y6BALY	GlobalFiler™					
	14,16	16,20	11.3,15	15,18	11,12	
3e	11	11,12	14	20,22	11,13	8,11
	13,14	13,16.2	31,32.2	16	XX	10,13
	24,25			18,26.2	6,7	8,11
	17,18	NM			NM	
YCVB2C	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	XY	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
YPGMDL	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	--
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	XY	8,10,11,13
	21,24,25	--	--	18,20,26.2,30.2	6,7	8,11
	15,17,18	10	--	--	2	
YXTAEF	PowerPlex® 21 (STRmix)					
	13,14,16	16,18,20,21		15,16,18	11,12	12,13,14
3e	9,11	11,12,13,15		18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2		XY	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18					
YY7DZD	PowerPlex® Fusion					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	XY	8,10,11,13
	21,24,25	9,10,13	7,12,15		6,7	8,11
	15,17,18	10				
ZBWYPL	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,12,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	XY	8,10,11,13
	21,24,25			17.2,18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
ZFNUHZ	GlobalFiler™ (Gene Mapper IDx)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	XY	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3e - STR Results

ZK2EPL	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,12,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	10			2	
ZNHETL	GlobalFiler™					
	[13],14,16	16,[18],20,[21]	11.3,[12],[14],15	15,[16],18	11,12	
3e	[9],11	11,12,[13],[15]	[11],[12],14	20,22,[-]	[9],11,13	8,11,[12]
	[11],13,14,[15]	[11],13,[15.2],16.2	[28],[29],31,32.2	[11],16	X,[Y]	[8],10,[11],13
	[21],24,25			18,[20],26.2,[30.2]	6,7	8,11
	[15],17,18	[-]			[2]	
ZUQV3A	GlobalFiler™ (STRmix)					
	13,14,16	16,18,20,21	11.3,14,15	15,16,18	11,12	
3e	9,11	11,12,13,15	11,12,14	18,20,22	9,11,13	8,11,12
	11,13,14,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,13
	21,24,25			18,20,26.2,30.2	6,7	8,11
	15,17,18	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 3sp - STR Results

294XDQ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2AGP68	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2DDELE	ESI 17 Fast					
	13,14	18,21	12,14	15,16		
3sp		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
2DJWXC	GlobalFiler™					
	13,14	16,18,21	12,14,15	15,16	11,12	NA
3sp	9,11	11,13,15	11,12,14	18,22	9,11,13	8,12
	11,13,15	11,15.2	28,29,31	11,16	X,Y	8,11,13
	21,24	NA	NA	20,26.2,30.2	6,7	8,11
	15,17	10	NA	NA	2	
2EWXT7	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2,[16.2]	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
2F4DZC	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
2M2697	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

2PT2XZ	PowerPlex® 6C (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12	20,30.2	6,7	11
	15,17	10	20	15		
2REF99	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29,31	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2WB7EK	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3ERZVF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3FYF68	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3JYQYL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3KHAGZ	INVESTIGATOR 26 PLEX QS					
	13,14	18,21	12,14	15,16	11,12	12,13
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17	10				

TABLE 1

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

Item 3sp - STR Results

3QY7NU	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	N/A
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	N/A	
3RWNW4	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
3VCQVF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3XHCKZ	PowerPlex® Fusion 5C (M-FISys 11.09)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17	10				
44P4H6	Identifiler®					
		18,21		15,16	11,12	
3sp	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
46Y82V	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
47QV8A	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

4CZ647	Identifiler® Plus					
		18,21		15,16	11,12	
3sp		9,11	13,15		9,11	12,12
		11,15	11,15.2	28,29	X,Y	8,11
		21,24			6,7	11,11
		15,17				
4HJL4U	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	11
		15,17	10		2	
4L69WH	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	12,12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	11,11
		15,17	10		2	
4LJXZU	ESI17					
		13,14	18,21	12,14	15,16	
3sp			13,15	11,12	18,22	12,12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	
		15,17				
4QWH8F	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	11
		15,17	10		2	
4YQFH3	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	12,12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
		15,17	10	20	15	
676GGC	GlobalFiler™					
		13,14,16	16,18,21	12,14	15,16	11,12
3sp		9,11	11,13,15	11,12,14	18,22	9,11
		11,15	11,15.2	28,29,32.2	11,16	X,Y
		21,24	N/A	N/A	18,20,26.2,30.2	6,7
		15,17	10	N/A	N/A	2

TABLE 1

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

Item 3sp - STR Results

6N8TZ9	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
	15,17	10			2	
6QCEPT	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	-	-	20,30.2	6,7
	15,17	10	-	-	2	
6UQJC9	GlobalFiler™					
		13,14,16	16,18,21	12,14,15	15,16	11,12
	3sp	9,11	11,13,15	11,12,14	18,22	9,11
		11,15	11,15.2	28,29,32.2	11,16	X,Y
		21,24,25	N/A	N/A	18,20,26.2,30.2	6,7
	15,17	10	N/A	N/A	2	
6VPYWE	GlobalFiler™ (STRmix v2.7)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
	15,17	10			2	
72Q4BW	GlobalFiler™ (strmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29,32.2	11,16	X,Y
		21,24			20,30.2	6,7
	15,17	10			2	
7HF7XT	PowerPlex® Fusion 6C (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
	15,17	10	20	15		
7JQLC9	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12		6,7
	15,17	10				

TABLE 1

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

Item 3sp - STR Results

7MMATF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
7NMCHK	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
849CNA	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
8GHTWZ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
8W83GH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
8Z7EDG	PowerPlex®					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
9BLNG2	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

9GTJAU	GlobalFiler™ (STRmix)					
	13,14,16	16,18,21	12,14,15	15,16	11,12	
3sp	9,11	13,15,16	11,12,14	18,20,22	9,11,13	8,12
	11,13,15	11,13,15.2,16.2	28,29,31,32.2	11,16	X,Y	8,10,11,12,13
	21,24,25			20,26.2,30.2	6,7	11
	15,17,18	10			2	
9P4DDH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	-	-	20,30.2	6,7	11
	15,17	10			2	
9U2WH3	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
9VTT7V	PowerPlex® Fusion 6C (DNAxs)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12	20,30.2	6,7	11
	15,17	10	20	15		
9YVRGN	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	N/A
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	N/A	
A87FT2	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
A8LWLA	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

AGTEJ8	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AJYWH3	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
ATG7TV	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15,16	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,21,30.2	6,7	11
	15,17	10			2	
AYBDQQ	GlobalFiler™ IQC					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
AYCBUY	Identifiler® Plus					
		18,21		15,16	11,12	
3sp	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
B39BEN	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
BB2YGY	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

BK748U	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	19,21,24			20,30.2	6,7	11
	15,17	10			2	
BTJMGZ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
C4CXEQ	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16,17.2	11,12	
3sp	9,11	10,13,15	11,12	18,22	9,11	12,12
	11,15	11,13.2,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
C6RDNL	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
CBXL2N	GlobalFiler™ (GeneMapper IDX)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
CEVF7X	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
CFB79A	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

CTY72X	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11,11
		15,17	10			2	
CYJA8E	GlobalFiler™ (STRmix both fractions)						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
		15,17	10			2	
D93RNW	GlobalFiler™ (STRmix)						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
		15,17	10			2	
D96PDU	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11,11
		15,17	10			2	
DGFBY4	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
		15,17	10			2	
DLVJM3	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11,11
		15,17	10			2	
DP9JJU	GlobalFiler™						
		13,14	18,21	12,14	15,16,[18]	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11,11
		15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

DU2Q33	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
DXKHE6	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
E4MJZX	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
E7U2YT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
EJ68E2	PowerPlex® Fusion 6C (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
		15,17	10	20	15	
EW672Y	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12 N/A
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	N/A	N/A	20,30.2	6,7 11,11
		15,17	10	N/A	N/A	2
F3UHN2	Investigator® 24plex (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			

TABLE 1

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

Item 3sp - STR Results

FCHABU	GlobalFiler™						
		13,14	[18],21	[12],14	15,16	11,12	
	3sp	9,11	13,15	11,12,[14]	[18],22	9,11	12,12
		11,15	11,15.2	28,[29]	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11,11
		15,17	10			2	
FFW8HG	Investigator® 24plex QS						
		13,14	18,21	12,14	15,16	11,12	n/a
	3sp	9,11	13,15	11,12	18,22	9,11	12,12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24	n/a	n/a	20,30.2	6,7	11,11
		15,17	10	n/a	n/a	n/a	
FZ3LY8	NGM SElect (STRmix)						
		13,14	18,21	12,14	15,16		
	3sp		13,15	11,12	18,22		12,12
		11,15	11,15.2	28,29	11,16	X,Y	
		21,24			20,30.2	6,7	
		15,17					
G2DNK7	GlobalFiler™						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
		15,17	10			2	
GDMUKR	GlobalFiler™ (STRmix)						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
		15,17	10			2	
GFETYQ	GlobalFiler™ (STRmix)						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	10,13,15	11,12	18,22	9,11	12
		11,15	11,13.2,15.2	28,29	11,16	X,Y	8,11
		21,22,24,25			20,29.2,30.2	4,6,7	11
		15,17	10			2	
GFTCJN	GlobalFiler™ (STRmix)						
		13,14	18,21	12,14	15,16	11,12	
	3sp	9,11	13,15	11,12	18,22	9,11	12
		11,15	11,15.2	28,29	11,16	X,Y	8,11
		21,24			20,30.2	6,7	11
		15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

GHFKJV	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
GMDEN6	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16,17	X,Y 8,11
		21,24			20,30.2,31.2	6,7 11
	15,17	10			2	
GXD3HM	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29,30	11,16,17	X,Y 8,11
		21,24			20,29.2,30.2	4,6,7 11
	15,17	10			2	
H69RRJ	GlobalFiler™ (TrueAllele)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
HG39EY	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
HPBF4T	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
HRJVQL	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

HZEXRW	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
	15,17	10			2	
J4AGGU	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
JC4P2K	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			19,20,30.2	6,7 11
	15,17	10			2	
JCPM8D	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
	15,17	10			2	
JE9CHV	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
	15,17	10			2	
JHVWJT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
JLU8FT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

JQ4V7W	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
K6YYNR	PowerPlex® Fusion 5C					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			
KC4GJ8	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
KPNN6R	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
L46YBU	PowerPlex® Fusion 6C (STRmix v2.5.11)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
		15,17	10	20	15	
LEZJNY	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
LRPGPX	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 3sp - STR Results

LZ7MEU	PowerPlex® Fusion 6C (STRmix v. 2.5.11)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
M2CWWD	PowerPlex® 5C					
	13,14	18,21	12,14	15,16	11,12	--
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12	--	6,7	11
	15,17	10	--	--	--	
M6AQZL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
M6BNBH	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29,30	11,16,17	X,Y	8,11
	21,24			20,29.2,30.2	6,7	11
	15,17	10			2	
M78QTE	PowerPlex® Fusion 6c (STRmix 2.6.3)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12	20,30.2	6,7	11
	15,17	10	20	15		
M7PH3Y	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
MEJQMP	PowerPlex® Fusion 6C (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		

TABLE 1

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

Item 3sp - STR Results

MKMUB3	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
MR6ZAV	Investigator® 24plex (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				
N2QNH3	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
N37B8P	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
3sp	9,11	11,13,15	11,12,14	18,22	9,11,13	12
	11,13,15	11,15.2	28,29,31	11,16	X,Y	8,11,13
	21,24	NA	NA	20,26.2,30.2	6,7	8,11
	15,17	10	NA	NA	2	
NG3UHL	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
NUBCFF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
NX82WM	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

NYMTYY	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
P3FCFN	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
P49RHP	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
		15,17	10	20	15	
P9L68Y	PowerPlex® Fusion 5C					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12		6,7
		15,17	10			
PNZD93	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
PXZ4RN	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12		6,7
		15,17	10			
Q2GNCJ	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2

TABLE 1

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

Item 3sp - STR Results

Q49J2D	Signature Plus					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12		6,7
		15				11
QDRX3U	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			11,11
						2
QHAQ7M	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	N/A	N/A	20,30.2	6,7
		15,17	10	N/A	N/A	11,11
						2
QJDFDK	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			11
						2
QJYP6Z	Investigator® 24plex QS					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,(11.2),(14),15.2,(16.1)	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			11,11
						2
QW883V	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			11,11
						2
QWLUEH	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			11
						2

TABLE 1

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

Item 3sp - STR Results

R2VAN7	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
RCU8AK	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			
RFZ6RL	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
RVVZJ	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
RY76QT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
T4J7NJ	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			
T9QWQP	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 3sp - STR Results

TF9RL6	PowerPlex® Fusion 6C (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
TKLB4L	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
TNAU6J	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
TNPL8W	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
TV7GMQ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
U2MACV	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
U6R6BJ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
3sp	9,11	13,15	11,12,14	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	NA	NA	20,30.2	6,7	11,11
	15,17	10	NA	NA	2	

TABLE 1

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

Item 3sp - STR Results

U8U9WD	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
UA4NJ8	PowerPlex® ESI17					
	13,14	18,21	12,14	15,16		
3sp		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
UXC6WE	Identifiler® Plus					
		18,21		15,16	11,12	
3sp	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
V3EZ9E	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
V6MK8V	GlobalFiler™ (STRmix)					
	13,14	16,18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12,14	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
V7WPKJ	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
VBRJHK	ESI-17					
	13,14	18,21	12,14	15,16		
3sp		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,[29.2],30.2	6,7	
	15,17					

TABLE 1

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

Item 3sp - STR Results

VCKWWH	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	N/A	N/A	20,30.2	6,7
		15,17	10	N/A	N/A	2
VE9GXF	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
VJMLKW	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
VLUA9E	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
VN3U9V	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
VRFU6M	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
VYZUJ	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
3sp		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
		15,17	10	20	15	11,11

TABLE 1

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

Item 3sp - STR Results

W2J843	PowerPlex® ESI-17 FAST					
	13,14	18,21	12,14	15,16		
3sp		13,15	11,12	18,[19],22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
WDR8DZ	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	n/a
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	n/a	n/a	n/a	
WEKZ9J	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WH6R JL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WHPZHA	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
WM39Y2	Investigator® 24plex					
	13,14	18,21	12,14	15,16	11,12	n/a
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	n/a	n/a	n/a	
WMZLGM	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

WWPY67	GlobalFiler™ (STRmix)					
		13,14	18,19,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16,17	X,Y 8,11
		21,22,24			20,30.2	6,7 11
		15,17	10			2
X43HFD	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
XGUZVH	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12 N/A
	3sp	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	N/A	N/A	20,30.2	6,7 11,11
		15,17	10	N/A	N/A	2
XH6J38	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2,31.2	6,7 11
		15,17	10			2
XQDB6A	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
XRT38M	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
XZNDQB	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	3sp	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 3sp - STR Results

Y6BALY	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
YCVB2C	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
YPGMDL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	--
3sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	--	--	20,30.2	6,7	11,11
	15,17	10	--	--	2	
YXTAEF	PowerPlex® 21 (STRmix)					
	13,14	18,21		15,16	11,12	12,13
3sp	9,11	13,15		18,22	9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17					
YY7DZD	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
ZBWYPL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			19,20,30.2	6,7	11
	15,17	10			2	
ZFNUHZ	GlobalFiler™ (Gene Mapper IDx)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 3sp - STR Results

ZK2EPL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
ZNHETL	GlobalFiler™					
	13,14,[-]	18,21,[-]	12,14,[15],[-]	15,16,[-]	11,12	
3sp	9,11	13,15,[-]	11,12,[-]	18,22,[-]	9,11,[-]	12,[-]
	11,15,[-]	11,[13],15.2,[-]	28,29,[-]	11,16	X,Y	8,11,[-]
	21,24,[25]			20,30.2,[-]	6,7	11,[-]
	15,17,[-]	10			2	
ZUQV3A	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
3sp	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

294XDQ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2AGP68	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2DDELE	ESI 17 Fast					
	13,14	18,21	12,14	15,16		
4		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
2DJWXC	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	NA	NA	20,30.2	6,7	11,11
	15,17	10	NA	NA	2	
2EWXT7	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
2F4DZC	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
2M2697	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

2PT2XZ	PowerPlex® 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12	20,30.2	6,7	11
	15,17	10	20	15		
2REF99	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
2WB7EK	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3ERZVF	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3FYF68	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3JYQYL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3KHAGZ	INVESTIGATOR 26 PLEX QS					
	13,14	18,21	12,14	15,16	11,12	12,13
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17	10				

TABLE 1

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

Item 4 - STR Results

3QY7NU	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	N/A
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	N/A	
3RWNW4	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
3VCQVF	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
3XHCKZ	PowerPlex® Fusion 5C (M-FISys 11.09)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12		6,7	11,11
	15,17	10				
44P4H6	Identifiler®					
		18,21		15,16	11,12	
4	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
46Y82V	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
47QV8A	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

4CZ647	Identifiler® Plus					
		18,21		15,16	11,12	
4		9,11	13,15		9,11	12,12
		11,15	11,15.2	28,29	X,Y	8,11
		21,24			6,7	11,11
		15,17				
4HJL4U	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	11
		15,17	10		2	
4L69WH	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	11,11
		15,17	10		2	
4LJXZU	ESI17					
		13,14	18,21	12,14	15,16	
4			13,15	11,12	18,22	12,12
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	
		15,17				
4QWH8F	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24		20,30.2	6,7	11
		15,17	10		2	
4YQFH3	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
		15,17	10	20	15	
676GGC	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	N/A	N/A	20,30.2	6,7
		15,17	10	N/A	N/A	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

6N8TZ9	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
6QCEPT	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12 -
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	-	-	20,30.2	6,7 11
		15,17	10	-	-	2
6UQJC9	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12 N/A
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	N/A	N/A	20,30.2	6,7 11,11
		15,17	10	N/A	N/A	2
6VPYWE	GlobalFiler™ (STRmix v2.7)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
72Q4BW	GlobalFiler™ (strmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16,17	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
7HF7XT	PowerPlex® Fusion 6C					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12,12	20,30.2	6,7 11,11
		15,17	10	20	15	
7JQLC9	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			

TABLE 1

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

Item 4 - STR Results

7MMATF	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
7NMCHK	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
849CNA	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
8GHTWZ	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
8W83GH	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
8Z7EDG	PowerPlex®					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			
9BLNG2	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 4 - STR Results

9GTJAU	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
9P4DDH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	-	-	20,30.2	6,7	11
	15,17	10			2	
9U2WH3	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
9VT7V	PowerPlex® Fusion 6C (DNAxs)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10,10	20,20	15,15		
9YVRGN	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	N/A
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	N/A	
A87FT2	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
A8LWLA	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

AGTEJ8	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AJYWH3	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
ATG7TV	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AYBDQQ	GlobalFiler™ IQC					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
AYCBUY	Identifiler® Plus					
		18,21		15,16	11,12	
4	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
B39BEN	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
BB2YGY	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

BK748U	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
BTJMGZ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
C4CXEQ	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
C6RDNL	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
CBXL2N	GlobalFiler™ (GeneMapper IDX)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
CEVF7X	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
CFB79A	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

CTY72X	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
CYJA8E	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
D93RNW	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
D96PDU	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
DGFBY4	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
DLVJM3	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
DP9JJU	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2

TABLE 1

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

Item 4 - STR Results

DU2Q33	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
DXKHE6	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
E4MJZX	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
E7U2YT	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
EJ68E2	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
EW672Y	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
F3UHN2	Investigator® 24plex (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				

TABLE 1

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

Item 4 - STR Results

FCHABU	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
FFW8HG	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	n/a
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	n/a	n/a	n/a	
FZ3LY8	NGM SElect					
	13,14	18,21	12,14	15,16		
4		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
G2DNK7	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
GDMUKR	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
GFETYQ	GlobalFiler™ (STRmix)					
	13,14	16,18,21	12,14	15,16	11,12	
4	9,11,12	10,13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30,30.2	4,6,7	11
	15,17	10			2	
GFTCJN	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

GHFKJV	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
GMDEN6	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
GXD3HM	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16,17	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
H69RRJ	GlobalFiler™ (TrueAllele)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
HG39EY	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
HPBF4T	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
	15,17	10			2	
HRJVQL	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

HZEXRW	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
J4AGGU	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
JC4P2K	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12,13
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
JCPM8D	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
JE9CHV	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
JHVWJT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
JLU8FT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2

TABLE 1

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

Item 4 - STR Results

JQ4V7W	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
K6YYNR	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
KC4GJ8	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
KPNN6R	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
L46YBU	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
LRPGPX	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
LZ7MEU	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		

TABLE 1

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

Item 4 - STR Results

M2CWWD	PowerPlex® 5C					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12	--	6,7
		15,17	10	--	--	--
M6AQZL	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
M6BNBH	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16,17	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
M78QTE	PowerPlex® Fusion 6c (STRmix 2.6.3)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12	20,30.2	6,7
		15,17	10	20	15	
M7PH3Y	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
MAMYGD	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24			20,30.2	6,7
		15,17	10			2
MEJQMP	PowerPlex® Fusion 6C (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11
		11,15	11,15.2	28,29	11,16	X,Y
		21,24	10,13	12,12	20,30.2	6,7
		15,17	10	20	15	

TABLE 1

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

Item 4 - STR Results

MGLL8T	Investigator® 24plex					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				
MKMUB3	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
MR6ZAV	Investigator® 24plex (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10				
N2QNH3	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
N37B8P	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	NA	NA	20,30.2	6,7	11,11
	15,17	10	NA	NA	2	
NG3UHL	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
NUBCFF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

NX82WM	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
NYMTYY	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
P3FCFN	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
P49RHP	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
P9L68Y	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
PNZD93	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
PXZ4RN	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				

TABLE 1

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

Item 4 - STR Results

Q2GNCJ	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
Q49J2D	Signature Plus					
		13,14	18,21	12,14	15,16	11,12 12,13
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17				
QDRX3U	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
QHAQ7M	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12 N/A
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	N/A	N/A	20,30.2	6,7 11,11
		15,17	10	N/A	N/A	2
QJDFDK	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
QJYP6Z	Investigator® 24plex QS					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			
QW883V	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
4		9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2

TABLE 1

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

Item 4 - STR Results

QWLUEH	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
R2VAN7	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
RCU8AK	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			
RFZ6RL	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
RVVZJ	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
RY76QT	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
T4J7NJ	PowerPlex® Fusion					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	10,13	12		6,7 11
		15,17	10			

TABLE 1

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

Item 4 - STR Results

T9QWQP	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
TF9RL6	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
TKLB4L	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
TNAU6J	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
TNPL8W	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
TV7GMQ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
U2MACV	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

U6R6BJ	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	NA
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	NA	NA	20,30.2	6,7	11,11
	15,17	10	NA	NA	2	
U8U9WD	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
UA4NJ8	PowerPlex® ESI17					
	13,14	18,21	12,14	15,16		
4		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16		
	21,24			20,30.2	6,7	
	15,17					
UXC6WE	Identifiler® Plus					
		18,21		15,16	11,12	
4	9,11	13,15			9,11	12,12
	11,15	11,15.2	28,29		X,Y	8,11
	21,24				6,7	11,11
	15,17					
V3EZ9E	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
V6MK8V	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
V7WPKJ	PowerPlex® Fusion 5C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				

TABLE 1

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

Item 4 - STR Results

VBRJHK	ESI-17					
	13,14	18,21	12,14	15,16		
4		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
VCKWWH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
VE9GXF	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VJMLKW	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VLUA9E	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VN3U9V	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
VRFU6M	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

YYVZUJ	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
W2J843	PowerPlex® ESI-17 FAST					
	13,14	18,21	12,14	15,16		
4		13,15	11,12	18,22		12,12
	11,15	11,15.2	28,29	11,16	X,Y	
	21,24			20,30.2	6,7	
	15,17					
W66WHD	PowerPlex®					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15	2	
W7UE67	GlobalFiler™ (excel sheet)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	12,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	
WDR8DZ	Investigator® 24plex QS					
	13,14	18,21	12,14	15,16	11,12	n/a
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	n/a	n/a	n/a	
WEKZ9J	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WH6RJL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

WHPZHA	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
WM39Y2	Investigator® 24plex QS, 27flexplex					
	13,14	18,21	12,14	15,16	11,12	n/a
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	n/a	n/a	20,30.2	6,7	11,11
	15,17	10	20	15	n/a	
WMZLGM	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
WWPY67	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16,17	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
X43HFD	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
XGUVZH	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	N/A
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	N/A	N/A	20,30.2	6,7	11,11
	15,17	10	N/A	N/A	2	
XH6J38	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,13.2,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

XQDB6A	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
XRT38M	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11,11
		15,17	10			2
XZNDQB	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
Y6BALY	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
YCVB2C	GlobalFiler™					
		13,14	18,21	12,14	15,16	11,12
	4	9,11	13,15	11,12	18,22	9,11 12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24			20,30.2	6,7 11
		15,17	10			2
YPGMDL	GlobalFiler™ (STRmix)					
		13,14	18,21	12,14	15,16	11,12 --
	4	9,11	13,15	11,12	18,22	9,11 12,12
		11,15	11,15.2	28,29	11,16	X,Y 8,11
		21,24	--	--	20,30.2	6,7 11,11
		15,17	10	--	--	2
YXTAEF	PowerPlex® 21					
		13,14	18,21		15,16	11,12 12,13
	4	9,11	13,15		18,22	9,11 12,12
		11,15	11,15.2	28,29		X,Y 8,11
		21,24	10,13	12,12		6,7 11,11
		15,17				

TABLE 1

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

Item 4 - STR Results

YY7DZD	PowerPlex® Fusion					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12		6,7	11
	15,17	10				
Z7JLZF	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
ZBED9C	PowerPlex® Fusion 6C					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24	10,13	12,12	20,30.2	6,7	11,11
	15,17	10	20	15		
ZBWYPL	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
ZFNUHZ	GlobalFiler™ (Gene mapper IDx)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
ZK2EPL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	
ZNHETL	GlobalFiler™					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4 - STR Results

ZUQV3A	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4	9,11	13,15	11,12	18,22	9,11	12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11
	15,17	10			2	

TABLE 1

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

Item 4e - STR Results

LEZJNY	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4e	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

TABLE 1

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

Item 4sp - STR Results

LEZJNY	GlobalFiler™ (STRmix)					
	13,14	18,21	12,14	15,16	11,12	
4sp	9,11	13,15	11,12	18,22	9,11	12,12
	11,15	11,15.2	28,29	11,16	X,Y	8,11
	21,24			20,30.2	6,7	11,11
	15,17	10			2	

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 2 - YSTR Results

294XDQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
2	39	11		20	15	20	21		12
2AGP68	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
2	39	11		20	15	20	21		12
2ET7L4	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
2	39	11		20	15	20	21		12
2EWXT7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
2	39	11		20	15	20	21		12
2F4DZC	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
2	39	11		20	15	20	21		12
3ERZVF	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
2							21		12
3KHAGZ	Investigator Argus Y 28 QS								
		15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
2	39	11	12	20	15	20	21	14	12
3NWFVE	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
2							21		12
3VCQVF	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
2							21		12
3XHCKZ	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		28
2		11	12	20	15		21	14	12
46Y82V	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
2							21		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
47QV8A									
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
4HJL4U	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
6FUAP2	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
7HF7XT	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
7JQLC9	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
7MMATF	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
849CNA	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
8W83GH	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
9GTJAU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
9P4DDH	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11	-	20	15	20	21	-	12
A87FT2	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
AGTEJ8	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		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

AJYWH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
AYBDQQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
B39BEN		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
BB2YGY	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
C6RDNL	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
CFB79A	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
D93RNW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
DGFBY4	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
DLVJM3	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
DP9JJU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
DU2Q33	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
DXKHE6	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		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

E4MJZX	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
E7U2YT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
EJ68E2	Yfiler™								
		15	16,17	13	30	21	10	11	13
	2	14	11	13	21	15	17		
						21		12	
GDMUKR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
GXD3HM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
HPBF4T	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
HZEXRW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
J4AGGU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
JE9CHV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
JHVWJT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
JLU8FT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
JQ4V7W	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	2	14	11	13	21	15	17		28
		11	12	20	15		21	14	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									
K6YYNR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
KPNN6R	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
KRCVUV	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
L46YBU	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
LZ7MEU	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
M2CWVD	PowerPlex® Y 23								
	--	15	16,17	13	30	21	10	11	13
2	14	11	13	21	--	15	17	--	28
	---	11	12	20	15	--	21	14	12
M6AQZL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
MEJQMP	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
N2QNH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
N37B8P	Yfiler™								
	NA	15	16,17	13	30	21	10	11	13
2	14	11	13	21	NA	15	17	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	12
NX82WM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
NYMTYY	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		28
		11	12	20	15		21	14	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

P49RHP	Yfiler™									
		15	16,17	13	30	21	10	11	13	
	2	14	11	13	21	15	17	21	12	
PNZD93	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
PXZ4RN	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
Q49J2D	Signature Plus									
		36,39	15	16,17	13	30	21	10	11	
	2	14	11	13	21			10	28	
		11	12	20	15		21	14	12	
R2VAN7	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
RCUBAK	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
RFZ6RL	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
T4J7NJ	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
TF9RL6	Yfiler™									
		15	16,17	13	30	21	10	11	13	
	2	14	11	13	21	15	17	21	12	
TNAU6J	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
U2MACV	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12	
U8U9WD	Yfiler™ Plus									
		36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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									
V7WPKJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VE9GXF	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VLUA9E	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VN3U9V	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VRFU6M	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
VYVZUJ	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
VZ8CJV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
W66WHD	Yfiler™								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
W7UE67	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
2	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
WEKZ9J	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
WH6R JL	Yfiler™								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		
							21		12
WMZLGM	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
2	14	11	13	21		15	17		28
		11	12	20	15		21	14	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

XQDB6A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
XZNDQB	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
Y6BALY	Yfiler™								
		15	16,17	13	30	21	10	11	13
	2	14	11	13	21	15	17		
						21		12	
YCVB2C	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
YY7DZD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
ZBED9C	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	2	14	11	13	21	15	17		28
		11	12	20	15		21	14	12
ZK2EPL	Yfiler™								
		15	16,17	13	30	21	10	11	13
	2	14	11	13	21	15	17		
						21		12	
ZUQV3A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	2	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12

TABLE 2

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

Item 3 - YSTR Results

3KHAGZ	INVESTIGATOR ARGUS Y 28 QS								
		15	16,17	13	30	21	10	11	13
3	14	11	13	21	30	15	17	10	28
	39	11	12	20	15	20	21	14	12
3XHCKZ	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
47QV8A									
	36,39	15	16,17	13	30	21	10	11	13
3	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
W66WHD	Yfiler™								
	36,39	15	16,17	13	30	21	10	11	13
3	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
W7UE67	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
ZBED9C	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	13	21		15	17		28
		11	12	20	15		21	14	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 3e - YSTR Results

294XDQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
2AGP68	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
2EWXT7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
2F4DZC	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
3ERZVF	Yfiler™								
	3e								
3VCQVF	Yfiler™								
	3e								
46Y82V	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
3e							21		12
4HJL4U	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
3e							21		12
7HF7XT	Yfiler™								
	3e								
7JQLC9	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
7MMATF	Yfiler™								
	3e								
849CNA	Yfiler™								
	3e								

TABLE 2

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

Item 3e - YSTR Results

8W83GH	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21	15	17	21	14	28
		11	12	20	15				12
9GTJAU	Yfiler™ Plus								
3e									
9P4DDH	Yfiler™ Plus								
3e									
AGTEJ8	Yfiler™								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21	15	17	21		12
AJYWH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
AYBDQQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
B39BEN	Yfiler™								
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3e	N/A	N/A	N/A	N/A		M/A	N/A		N/A
							N/A		N/A
BB2YGY	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
C6RDNL	Yfiler™								
3e									
CFB79A	Yfiler™								
3e									
D93RNW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
DGFBY4	Yfiler™								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21		15	17		
							21		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 3e - YSTR Results

DLVJM3	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21	15	17	28		
		11	12	20	15	21	14	12	
DU2Q33	Yfiler™								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21	15	17	28		
						21		12	
DXKHE6	Yfiler™								
3e									
E4MJZX	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
E7U2YT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
EJ68E2	Yfiler™								
3e									
GDMUKR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
GXD3HM	Yfiler™ Plus								
3e									
HPBF4T	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
HZEXRW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
J4AGGU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JE9CHV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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 3e - YSTR Results									
JHVWJT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JLU8FT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JQ4V7W	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
K6YYNR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
KPNN6R	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
L46YBU	Yfiler™								
3e									
LZ7MEU	Yfiler™								
3e									
M2CWVD	PowerPlex® Y 23								
	-	15	16,17	13	-	21	10	11	13
3e	14	11	13	21	-	15	17	-	28
	-	11	12	20	15	-	21	14	12
M6AQZL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
MEJQMP	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
N2QNH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
N37B8P	Yfiler™								
	NA	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	NA	15	17	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	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 3e - YSTR Results

NX82WM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
NYMTYY	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		28
3e		11	12	20	15		21	14	12
PNZD93	Yfiler™ Plus								
	3e								
PXZ4RN	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
Q49J2D	Yfiler™ Plus								
		15		13		21		11	
	14	11	13						
3e		11	12	20	15			14	
R2VAN7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
RCU8AK	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
RFZ6RL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
T4J7NJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
TF9RL6	Yfiler™								
	3e								
TNAU6J	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		12
U2MACV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3e	39	11		20	15	20	21		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 3e - YSTR Results

U8U9WD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
V7WPKJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VE9GXF	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VLUA9E	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VN3U9V	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VRFU6M	Yfiler™								
3e									
VZ8CJV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
WEKZ9J	Yfiler™								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21		15	17		
							21		12
WH6RJL	Yfiler™								
3e									
WMZLGM	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3e	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
XQDB6A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
XZNDQB	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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 3e - YSTR Results

Y6BALY	Yfiler™								
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YCVB2C	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
YY7DZD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
ZFNUHZ	Yfiler™								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
ZK2EPL	Yfiler™								
3e									
ZUQV3A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3e	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3sp - YSTR Results									
294XDQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
2AGP68	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
2EWXT7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
2F4DZC	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
3ERZVF	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
3VCQVF	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
46Y82V	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
4HJL4U	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
7HF7XT	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
7JQLC9	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
7MMATF	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
849CNA	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		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 3sp - YSTR Results

8W83GH	PowerPlex® Y 23								
3sp									
9GTJAU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
9P4DDH	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11	-	20	15	20	21	-	12
AGTEJ8	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
AJYWH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
AYBDQQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
B39BEN	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
BB2YGY	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
C6RDNL	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
CFB79A	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12
D93RNW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
DGFBY4	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		
							21		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3sp - YSTR Results									
DLVJM3	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
DU2Q33	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
DXKHE6	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
E4MJZX	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
E7U2YT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
EJ68E2	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
GDMUKR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
GXD3HM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
HPBF4T	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
HZEXRW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
J4AGGU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JE9CHV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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 3sp - YSTR Results									
JHVWJT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JLU8FT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JQ4V7W	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
K6YYNR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
KPNN6R	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
L46YBU	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
LZ7MEU	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
M2CWVD	PowerPlex® Y 23								
	-	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	-	15	17	-	28
	-	11	12	20	15	-	21	14	12
M6AQZL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
MEJQMP	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
N2QNH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
N37B8P	Yfiler™								
	NA	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	NA	15	17	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	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 3sp - YSTR Results

NX82WM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
NYMTYY	PowerPlex® Y 23								
	3sp								
PNZD93	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
PXZ4RN	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
Q49J2D	Yfiler™ Plus								
	36	15	16,17	13	30	21	10	11	
	14	11	13	21				10	28
3sp		11	12	20	15		21	14	12
R2VAN7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
RCU8AK	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
RFZ6RL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
T4J7NJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
TF9RL6	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	13	21		15	17		
3sp						21		12	
TNAU6J	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		12
U2MACV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	14	11	13	21	30	15	17	10	28
3sp	39	11		20	15	20	21		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 3sp - YSTR Results

U8U9WD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
V7WPKJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VE9GXF	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VLUA9E	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VN3U9V	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VRFU6M	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
VZ8CJV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
WEKZ9J	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
WH6RJL	Yfiler™								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
							21		12
WMZLGM	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3sp	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
XQDB6A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
XZNDQB	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
3sp	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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 3sp - YSTR Results

Y6BALY	Yfiler™								
		15	16,17	13	30	21	10	11	13
	3sp	14	11	13	21	15	17		12
							21		
YCVB2C	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	3sp	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
YY7DZD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	3sp	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
ZFNHYZ	Yfiler™								
	36,39	15	16,17	13	30	21	10	11	13
	3sp	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
ZK2EPL	Yfiler™								
		15	16,17	13	30	21	10	11	13
	3sp	14	11	13	21	15	17		
						21			12
ZUQV3A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	3sp	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		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									
294XDQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
2EWXT7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
2F4DZC	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
3ERZVF	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
3KHAGZ	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11	12	20	15	20	21	14	12
3VCQVF	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
3XHCKZ	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
46Y82V	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
47QV8A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
4HJL4U	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
7HF7XT	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
7JQLC9	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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

7MMATF	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		12
							21		
849CNA	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		12
							21		
9GTJAU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
9P4DDH	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11	-	20	15	20	21	-	12
AGTEJ8	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		12
							21		
AJYWH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
AYBDQQ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
B39BEN	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		12
							21		
BB2YGY	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
C6RDNL	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		12
							21		
CFB79A	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		12
							21		
D93RNW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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									
DGFBY4	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
DLVJM3	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
DU2Q33	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
DXKHE6	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
E4MJZX	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
E7U2YT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
EJ68E2	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
GDMUKR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
GXD3HM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
HPBF4T	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
HZEXRW	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
J4AGGU	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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									
JE9CHV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JHVWJT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JLU8FT	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
JQ4V7W	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		28
		11	12	20	15		21	14	12
K6YYNR	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
KPNN6R	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
L46YBU	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
LZ7MEU	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
M2CWWD	PowerPlex® Y 23								
	-	15	16,17	13	30	21	10	11	13
4	14	11	13	21	-	15	17	-	28
	-	11	12	20	15	-	21	14	12
M6AQZL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
MAMYGD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
MEJQMP	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		28
		11	12	20	15		21	14	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									
N2QNH3	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
N37B8P	Yfiler™								
	NA	15	16,17	13	30	21	10	11	13
4	14	11	13	21	NA	15	17	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	12
NX82WM	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
PNZD93	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
PXZ4RN	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
Q49J2D	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	
4	14	11	13	21				10	28
		11	12	20	15		21	14	12
R2VAN7	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
RCU8AK	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
RFZ6RL	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
T4J7NJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
TF9RL6	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
TNAU6J	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		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									
U2MACV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
U8U9WD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
V7WPKJ	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VE9GXF	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VLUA9E	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
VRFU6M	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
VZ8CJV	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
W66WHD	Yfiler™								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
W7UE67	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
4	14	11	13	21	30	15	17	10	28
	39	11		20	15	20	21		12
WEKZ9J	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
WH6RJJ	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		
							21		12
WMZLGM	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	13	21		15	17		28
		11	12	20	15		21	14	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

XQDB6A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	4	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
XZNDQB	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	4	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
Y6BALY	Yfiler™								
		15	16,17	13	30	21	10	11	13
	4	14	11	13	21		15	17	
							21		12
YCVB2C	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	4	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
YY7DZD	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	4	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
ZBED9C	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	4	14	11	13	21		15	17	28
		11	12	20	15		21	14	12
ZFNUHZ	Yfiler™								
	36,39	15	16,17	13	30	21	10	11	13
	4	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		12
ZK2EPL	Yfiler™								
		15	16,17	13	30	21	10	11	13
	4	14	11	13	21		15	17	
							21		12
ZUQV3A	Yfiler™ Plus								
	36,39	15	16,17	13	30	21	10	11	13
	4	14	11	13	21	30	15	17	10
	39	11		20	15	20	21		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
AMELO	4LJXZU				Y				
D10	4LJXZU				11,12				
D12	4LJXZU				18				
D16	4LJXZU				12				
D17S1301	Q49J2D	12	11,14		12	11,14	11,14		
D18	4LJXZU				11,15				
D19	4LJXZU				11,15.2				
D20S482	Q49J2D	13,14	14		13,14	14	14		
D21	4LJXZU				28,29				
D22	4LJXZU				11				
D2S1	4LJXZU				18,21				
D2S4	4LJXZU				14				
D3	4LJXZU				16				
D4S2408	Q49J2D	9,10	8,10		9,10	8,10	8,10		
D8	4LJXZU				13,14				
D9S1122	Q49J2D	12,13	11,13		11,12,13	11,13	11,13		
FGA	4LJXZU				21				
SE33	4LJXZU				20,30.2				
VWA	4LJXZU				15				

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
294XDQ	Yes	No	Yes	Yes	44P4H6	Yes	No	Yes	Yes
2AGP68	Yes	No	Yes	Yes	46Y82V	Yes	No	Yes	Yes
2DDELE	Yes	No	Yes	Yes	47QV8A	Yes	No	Yes	Yes
2DJWXC	Yes	No	Yes	Yes	4CZ647	Yes	No	Yes	Yes
2ET7L4	No Interpretations Reported, DNA Analyzed for Database purposes only.				4HJL4U	Yes	No	Yes	Yes
2EWXT7	Yes	No	Yes	Yes	4L69WH	Yes	No	Yes	Yes
2F4DZC	Yes	No	Yes	Yes	4LJXZU	Yes	No	Yes	Yes
2M2697	Yes	No	Yes	Yes	4QWH8F	Yes	No	Yes	Yes
2PT2XZ	Yes	No	Yes	Yes	4YQFH3	Yes	No	Yes	Yes
2REF99	Yes	No	Yes	Yes	676GGC	Yes	No	Yes	Yes
2WB7EK	Yes	No	Yes	Yes	6FUAP2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3ERZVF	Yes	No	Yes	Yes	6N8TZ9	Yes	No	Yes	Yes
3FYF68	Yes	No	Yes	Yes	6QCEPT	Yes	No	Yes	Yes
3JYQYL	Yes	No	Yes	Yes	6UQJC9	Yes	No	Yes	Yes
3KHAGZ	Yes	No	Yes	Yes	6VPYWE	Yes	No	Yes	Yes
3NWFVE	No Interpretations Reported, DNA Analyzed for Database purposes only.				72Q4BW	Yes	No	Yes	Yes
3QY7NU	Yes	No	Yes	Yes	7HF7XT	Yes	No	Yes	Yes
3RWNW4	Yes	No	Yes	Yes	7JQLC9	Yes	No	Yes	Yes
3VCQVF	Yes	No	Yes	Yes	7MMATF	Yes	No	Yes	Yes
3XHCKZ	Yes	No	Yes	Yes	7NMCHK	Yes	No	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
849CNA	Yes	No	Yes	Yes	C4CXEQ	Yes	No	Yes	Yes
8GHTWZ	Yes	No	Yes	Yes	C6RDNL	Yes	No	Yes	Yes
8W83GH	Yes	No	Yes	Yes	CBXL2N	Yes	No	Yes	Yes
8Z7EDG	Yes	No	Yes	Yes	CEVF7X	Yes	No	Yes	Yes
9BLNG2	Yes	No	Yes	Yes	CFB79A	Yes	No	Yes	Yes
9GTJAU	Yes	No	Yes	Yes	CTY72X	Yes	No	Yes	Yes
9P4DDH	Yes	No	Yes	Yes	CYJA8E	Yes	No	Yes	Yes
9U2WH3	Yes	No	Yes	Yes	D93RNW	Yes	No	Yes	Yes
9VTT7V	Yes	No	Yes	Yes	D96PDU	Yes	No	Yes	Yes
9YVRGN	Yes	No	Yes	Yes	DGFBY4	Yes	No	Yes	Yes
A87FT2	Yes	No	Yes	Yes	DLVJM3	Yes	No	Yes	Yes
A8LWLA	Yes	No	Yes	Yes	DP9JJU	Yes	No	Yes	Yes
AGTEJ8	Yes	No	Yes	Yes	DU2Q33	Yes	No	Yes	Yes
AJYWH3	Yes	No	Yes	Yes	DXKHE6	Yes	No	Yes	Yes
ATG7TV	Yes	No	Yes	Yes	DYFTXR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
AYBDQQ	Yes	No	Yes	Yes	E4MJZX	Yes	No	Yes	Yes
AYCBUY	Yes	No	Yes	Yes	E7U2YT	Yes	No	Yes	Yes
B39BEN	Yes	No	Yes	Yes	EB6QYP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BB2YGY	Yes	No	Yes	Yes	EJ68E2	Yes	No	Yes	Yes
BK748U	Yes	No	Yes	Yes	EW672Y	Yes	No	Yes	Yes
BTJMGZ	Yes	No	Yes	Yes	F3UHN2	Yes	No	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
FCHABU	Yes	No	Yes	Yes	JQ4V7W	Yes	No	Yes	Yes
FFW8HG	Yes	No	Yes	Yes	K6YYNR	Yes	No	Yes	Yes
FZ3LY8	Yes	No	Yes	Yes	KC4GJ8	Yes	No	Yes	Yes
G2DNK7	Yes	No	Yes	Yes	KPNN6R	Yes	No	Yes	Yes
GDMUKR	Yes	No	Yes	Yes	KRCVUV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GFETYQ	Yes	No	Yes	Yes	L46YBU	Yes	No	Yes	Yes
GFTCJN	Yes	No	Yes	Yes	LEZJNY	Yes	No	Yes	Yes
GHFJKV	Yes	No	Yes	Yes	LRPGPX	Yes	No	Yes	Yes
GMDEN6	Yes	No	Yes	Yes	LZ7MEU	Yes	No	Yes	Yes
GXD3HM	Yes	No	Yes	Yes	M2CWWD	Yes	No	Yes	Yes
H69RRJ	Yes	No	Yes	Yes	M6AQZL	Yes	No	Yes	Yes
HG39EY	No Interp	No Interp	No Interp	No Interp	M6BNBH	Yes	No	Yes	Yes
HPBF4T	Yes	No	Yes	Yes	M78QTE	Yes	No	Yes	Yes
HRJVQL	Yes	No	Yes	Yes	M7PH3Y	Yes	No	Yes	Yes
HZEXRW	Yes	No	Yes	Yes	MAMYGD	Yes	No	Yes	Yes
J4AGGU	Yes	No	Yes	Yes	MEJQMP	Yes	No	Yes	Yes
JC4P2K	Yes	No	Yes	Yes	MGLL8T	Yes	No	Yes	Yes
JCPM8D	Yes	No	Yes	Yes	MKMUB3	Yes	No	Yes	Yes
JE9CHV	Yes	No	Yes	Yes	MR6ZAV	Yes	No	Yes	Yes
JHVWJT	Yes	No	Yes	Yes	N2QNH3	Yes	No	Yes	Yes
JLU8FT	Yes	No	Yes	Yes	N37B8P	Yes	No	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
NG3UHL	Yes	No	Yes	Yes	RVVZJ	Yes	No	Yes	Yes
NUBCFF	Yes	No	Yes	Yes	RY76QT	Yes	No	Yes	Yes
NX82WM	Yes	No	Yes	Yes	T4J7NJ	Yes	No	Yes	Yes
NYMTYY	Yes	No	Yes	Yes	T9QWQP	No Interp	No Interp	No Interp	No Interp
P3FCFN	Yes	No	Yes	Yes	TF9RL6	Yes	No	Yes	Yes
P49RHP	No Interp	No Interp	No Interp	No Interp	TKLB4L	Yes	No	Yes	Yes
P9L68Y	Yes	No	Yes	Yes	TNAU6J	Yes	No	Yes	Yes
PNZD93	Yes	No	Yes	Yes	TNPL8W	Yes	No	Yes	Yes
PXZ4RN	Yes	No	Yes	Yes	TV7GMQ	No Interp	No Interp	No Interp	No Interp
Q2GNCJ	Yes	No	Yes	Yes	U2MACV	Yes	No	Yes	Yes
Q49J2D	Yes	No	Yes	Yes	U6R6BJ	Yes	No	Yes	Yes
QDRX3U	Yes	No	Yes	Yes	U8U9WD	Yes	No	Yes	Yes
QHAQ7M	Yes	No	Yes	Yes	UA4NJ8	Yes	No	Yes	Yes
QJDFDK	No Interp	No Interp	No Interp	No Interp	UXC6WE	Yes	No	Yes	Yes
QJYP6Z	Yes	No	Yes	Yes	V3EZ9E	Yes	No	Yes	Yes
QW883V	Yes	No	Yes	Yes	V6MK8V	Yes	No	Yes	Yes
QWLUEH	Yes	No	Yes	Yes	V7WPKJ	Yes	No	Yes	Yes
R2VAN7	Yes	No	Yes	Yes	VBRJHK	Yes	No	Yes	Yes
R8GYTT	No Interpretations Reported, DNA Analyzed for Database purposes only.				VCKWWH	Yes	No	Yes	Yes
RCU8AK	Yes	No	Yes	Yes	VE9GXF	Yes	No	Yes	Yes
RFZ6RL	Yes	No	Yes	Yes	VJMLKW	Yes	No	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
VLUA9E	Yes	No	Yes	Yes	XZNDQB	Yes	No	Yes	Yes
VN3U9V	Yes	No	Yes	Yes	Y6BALY	Yes	No	Yes	Yes
VRFU6M	Yes	No	Yes	Yes	YCVB2C	Yes	No	Yes	Yes
VYVZUJ	No Interp	No Interp	No Interp	No Interp	YPGMDL	Yes	No	Yes	Yes
VZ8CJV	No Interp	No Interp	Yes	Yes	YXTAEF	Yes	No	Yes	Yes
W2J843	Yes	No	Yes	Yes	YY7DZD	Yes	No	Yes	Yes
W66WHD	Yes		Yes	Yes	Z7JLZF	Yes	No	Yes	Yes
W7UE67	Yes	No	Yes	Yes	ZBED9C	Yes	No	Yes	Yes
WDR8DZ	Yes	No	Yes	Yes	ZBWYPL	Yes	No	Yes	Yes
WEKZ9J	Yes	No	Yes	Yes	ZFNUHZ	Yes	No	Yes	Yes
WH6RJL	Yes	No	Yes	Yes	ZK2EPL	Yes	No	Yes	Yes
WHPZHA	Yes	No	Yes	Yes	ZNHETL	Yes	No	Yes	Yes
WM39Y2	Yes	No	Yes	Yes	ZRGQPL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WMZLGM	Yes	No	Yes	Yes	ZUQV3A	Yes	No	Yes	Yes
WNR8WD	No Interpretations Reported, DNA Analyzed for Database purposes only.								
WWPY67	Yes	No	Yes	Yes					
X43HFD	Yes	No	Yes	Yes					
XGUZVH	Yes	No	Yes	Yes					
XH6J38	Yes	No	Yes	Yes					
XQDB6A	Yes	No	Yes	Yes					
XRT38M	Yes	No	Yes	Yes					

DNA Interpretation**Response Summary****Participants reporting DNA results: 201**

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	185	0	186	186
No	0	184	0	0
Inc	0	0	0	0
No Interpretation	9	9	8	8
No Response	0	1	0	0

Participants analyzing DNA for database purposes only: 9

Additional Comments

TABLE 5

WebCode	Additional Comments
2DDELE	In a real case attribution of the body fluid(s) giving rise to the DNA profiles would have been made.
2DJWXC	NA=not applicable
2EWXT7	NR = No DNA Results
2F4DZC	NR = No Results. Samples analyzed and reported using Genemapper ID-X. STRmix analysis was conducted on this test.
2M2697	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
2WB7EK	Possible elevated stutter was left in because of STRmix analysis
3NWFVE	NR = No Results.
46Y82V	Extraction: Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Applied Biosystems™ Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the Applied Biosystems™ GlobalFiler™ Express PCR Amplification Kit on the Applied Biosystems™ ProFlex™ PCR System. By using the in-situ method, Item 2 was also amplified using the Applied Biosystems™ AmpFLSTR™ YFiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the Applied Biosystems™ GlobalFiler™ and AmpFLSTR™ YFiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed using Applied Biosystems™ GeneMapper™ ID-X Software v1.5. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results. Remark: 'NM' denotes non-male profile.
47QV8A	Vic (Item 1): Not excluded EFRAC Item 3. Vic excluded from SPERMFRAC. Excluded Item 4. Sus (Item2): Not excluded EFRAC and SPERMFRAC Item 3. Not excluded Item 4.
4HJL4U	Extraction: -Item 1 and Item 2 were punched using 1.2 mm size puncher and the FTA disc subjected for direct amplification. -Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: -Item 3 and Item 4 were quantified using the Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR. Amplification: -Item 1 and Item 2 were amplified using the Globalfiler Express Amplification kit. -Item 3(bloodstains), Item 3(sp), Item 3(epi) and Item 4(bloodstain) were amplified using the Globalfiler Amplification kit. -Item 2, Item 3(sp), Item 3(epi) and Item 4(bloodstain) were amplified using Y-Filer kit. -All amplification performed on ProFlex PCR System. Electrophoresis: -All amplified product were run on Genetic Analyzer 3500. Quality Control: -Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. Remarks: -NM : Non-male profile
4L69WH	STRmix analysis was conducted on this test.

TABLE 5

WebCode	Additional Comments
4LJXZU	<p>Item 1: A full single source DNA profile was obtained from the blood reference sample, relating to the 'female victim'. Item 2: A full single source DNA profile was obtained from the blood reference sample, relating to the 'male suspect'. Item 3: I understand that chemical reactions indicating the presence of blood and semen were obtained from the staining present on this item. A sample of the fabric was extracted to recover any biological material present and sperm cells were found during a microscopic examination of the recovered material, thus confirming the presence of semen. Attempts were made to separate the sperm cells (seminal fraction) from the other cellular material (cellular fraction) present and both fractions were subjected to DNA profiling tests. The seminal fraction yielded a full single source DNA profile which matches the DNA profile of the male suspect and is, in my opinion, attributable to the semen detected. The cellular fraction yielded a result which, in my opinion, comprises a full major profile and additional lower level DNA components. The major DNA profile matches the DNA profile of the female victim and is, in my opinion, attributable to the blood staining tested. The DNA profile of the male suspect is represented in the result to the extent that he could be the lower level contributor which, in my opinion, is not unexpected given that semen attributable to him was detected within the staining. Item 4: I understand that a chemical reaction indicating the presence of blood was obtained from this item. A sample of the blood staining was subjected to DNA profiling tests. A full single source DNA profile was obtained which matches the DNA profile of the male suspect and is, in my opinion, attributable to the blood staining present.</p>
676GGC	N/A - Not Applicable
6UQJC9	N/A - Not Applicable
7HF7XT	NR=No Results
7JQLC9	NR= No Results. STRmix analysis was conducted on this test. All data reported out in this test is from analysis using GeneMapper ID-X.
7MMATF	3A-1PT NS: At D13, Drop out is observed of the minor contributor.
A87FT2	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
AGTEJ8	<p>Extraction: -Item 1 and Item 2 were extracted using the in-situ method. -Item 3 (differential extraction method) and Item 4 were extracted using QIAAsymphony DNA Investigator kit via QIAAsymphony SP. Quantitation: -Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: - Item 1 and Item 2 were amplified using Globalfiler Express (GFE) kit on ABI Proflex PCR System. -Item 3 and 4 were amplified using Globalfiler Amplification kit on ABI GeneAmp PCR System 9700. -Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification kit on ABI GeneAmp PCR System 9700. Electrophoresis: -Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. -Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-filer). Quality Control: -Reagent blank, Positive Control and Negative Control were carried out during analysis all gave intended results. NM: Non-male profile.</p>
AJYWH3	NR=No results. STRmix was performed on Item 3F. The data reported out in this test is from analysis using GeneMapper-ID-X.
B39BEN	<p>Extraction: - Item 3 was extracted using Chelex Differential Extraction. - Item 4 was extracted using Chelex Extraction. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit and carried out by 7500 Real-Time PCR. Amplification: -Item 1 and Item 2 were amplified using Globalfiler Express PCR Amplication Kit on 9700 ABI GeneAmp PCR System. -Item 3 and Item 4 were amplified using Globalfiler PCR Amplication Kit on 9700 ABI GeneAmp PCR System. -Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Y Filer PCR Amplification Kit on 9700 ABI GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by ABI Genetic Analyzer 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results. NM: non male profile</p>
BTJMGZ	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.

TABLE 5

WebCode	Additional Comments
C4CXEQ	Item 3 (sp) contains possible drop-in peaks that were not removed.
C6RDNL	NR=No Result
CTY72X	NR= no DNA result
DGFBY4	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 (differential extraction method) 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 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 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. NM : non-male profile.
DLVJM3	NB: Item 3 - epithelial fraction D2S441: Allele 11.3 was visibly present on analysis but was not designated due to our validated Genemapper analysis settings relating to peak width and the relative position of allele 11.3 to allele 12. A non-designated 11.3 allele would not be used for exclusion of a potential contributor when interpreting this mixed DNA profile.
DP9JJU	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. Powerplex Fusion 6C is used only for allele verification.
DU2Q33	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 (differential extraction method) and Item 4 were extracted using the Qiasymphony DNA Investigator Kit via Qiasymphony SP Platform. 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 Applied Biosystems Globalfiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using Applied Biosystems Globalfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male profile.
DYFTXR	Technician is only competent in known standards so only Item 1 and 2 were tested.
EJ68E2	NR = No Results
EW672Y	N/A-not applicable
FCHABU	NR = No results
FZ3LY8	Y-STR amplification not carried out for items 2 and 4 as a complete male NGM profile was obtained from each sample. Y-STR amplification not carried out for item 3 given good quality minor male NGM profile was obtained from epithelial fraction and complete male NGM profile obtained from semen fraction.
GFETYQ	Probablistic genotyping used for interpretation (STRmix).
HG39EY	Test participant functions as Y-screen technician and does not perform interpretations.
JC4P2K	Strmix Interpretation: Stutter peaks left in during analysis.

TABLE 5

WebCode	Additional Comments
K6YYNR	Item 1, Item 2, Item 3, and Item 4 were analyzed using PowerPlex Fusion 5C. Item 2, Item 3, and Item 4 were also analyzed using YFiler Plus. Item 1 and Item 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridge. Item 4 was also analyzed using GlobalFiler Express on RapidHIT ID using INTEL sample cartridge. Autosomal data reported out for Item 3 and Item 4 is from analysis using GeneMapper ID-X. Autosomal data reported out for Item 1 and Item 2 is from analysis using GeneMarker. YSTR data reported out is from analysis using GeneMapper ID-X STRmix analysis was also conducted on Item 4e. NR = No Results
KRCVUV	NR = No result.
L46YBU	NR=No Results
LEZJNY	STRmix analysis was conducted on this test.
LZ7MEU	NR = No Result
M7PH3Y	STRmix analysis was conducted on this test.
N37B8P	NA=Not applicable
NUBCFF	Stutter not removed from Items 3 and 4 due to STRmix analysis.
P49RHP	NR = No results. No comparisons performed.
P9L68Y	Item 3: In the epithelial portion at Amelogenin there is a Y peak below analytical threshold and marked as such on the lab allele table according to protocol.
PXZ4RN	-The data reported out in this test is from analysis using GeneMapper ID-X. -STRmix analysis was conducted on this test. -NR = No results.
QHAQ7M	N/A: Not Applicable
QJDFDK	Test participant functions as Y-screen technician and does not perform interpretations.
QW883V	STRmix analysis was conducted on this test
RCU8AK	NR = No Results. The data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on Item 3F of this test.
RY76QT	STRmix analysis was conducted on this test.
T4J7NJ	NR = no results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
T9QWQP	Test participant functions as Y-scee technician and does not perform interpretations.
TF9RL6	NR= No results
TKLB4L	ND = Not Detected
TV7GMQ	Test participant functions as Y-screen technician and does not perform interpretations.
U6R6BJ	NA-Not applicable
UA4NJ8	Item 2 - D195433: Minor additional "13" allele 33 rfu in height which falls into our drop-in threshold and has not effect on profile designated for blood.
V3EZ9E	Y-Screen was performed on items 3 and 4. Results: Item 3 - Y-screen positive; Item 4 - Y-screen positive.
V7WPKJ	STRmix analysis was conducted on Item 3F. Reported data was analyzed using GeneMapper ID-X. NR = No Result. F = Epithelial Fraction, M = Sperm Fraction.
VBRJHK	The use of the LiRa software would be required in order to statistically evaluate the result obtained from the lysate of the sample take from Item 3 in relation to the male suspect. Of note, a large stutter was observed @ SE33 in the seminal portion of Item 3, which does not interfere with the interpretation of the major DNA profile. The Item 3 lysate demonstrates a slightly poor split, likely due to size of area sampled and the amount of semen. All minors within this result match the seminal portion DNA profile.

TABLE 5

WebCode	Additional Comments
VCKWWH	NSD = No Sized Data. N/A = Not Applicable.
VYVZUJ	No comparisons performed. NR = No Result.
VZ8CJV	Only Y-STR testing was performed
W2J843	Items examined for blood/semen after DNA profiling: Item 3 EF - happy to attribute at least some of the DNA detected to the blood detected. Item 3 SF - happy to attribute to semen detected. Item 5 KM pos - happy to attribute to blood.
W66WHD	All DNA profiles from victim (Item 1), suspect (Item 2) and questioned stains (Item 3&4) were obtained, no allele drop out and no allele drop in.
W7UE67	1.- The autosomal genetic profile of item 1 , a blood sample from the victim (1602/23 item 1) was obtained with 21 genetic markers plus amelognin indicating female sex (x,x). 2.- The autosomal genetic profile of item 2, blood sample of the suspect (1602/23 item 2), was obtained with 23 genetic markers plus amelognin indicating male sex (x,y). 3.- A mixed autosomal genetic profile was obtained from at least two contributors to item 3, blood stain and semen on a sheet (1602/23 item 3) with 23 genetic markers plus amelognin indicating male contribution (x,x). 4.- The autosomal genetic profile of item 4, blood stain from the suspect's shirt (1602/23 item 4) was obtained with 23 genetic markers plus amelognin indicating male sex (x,y). 5.- Given the genetic results obtained, it is 3,918,090,631,495,060,000,000,000,000,000,000,000,000.00 times more likely to explain them, if the genetic profile item 4, blood stain from the suspect's shirt (1602/23 Item 4), comes from the suspects (item 2)(1602/23 Item 2), which, if it came from any other male person, not sampled, not related, taken at random from the population. 6.- Given the genetic results obtained, it is 1,938,400,000,000,000,000,000,000,000,000,000,000,000 times more likely to explain them, if the victim item 1 (1602/23 Item 1) and the suspect item 2 (1602/23 Item 2) are the contributors of the genetic material of the genetic profile mixture of item 3, blood stain and semen on a sheet (1602/23 Item 3), which, if they were two other people, not sampled, unrelated, taken at random from the population. 7.- The same Y haplotype genetic profile was obtained from Item 2, blood sample from the suspect (1602/23 Item 2), from item 3, blood stain and semen on a sheet (1602/23 Item 3) and from Item 4, blood stain on the suspect's shirt (1602/23 item 4).
WEKZ9J	1) Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 3 (differential extraction method) and Item 4 were extracted using the DNA QIASymphony DNA Investigator kit on QIASymphony SP. 2) Quantification: -Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 3) Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ABI ProFlex PCR System. -Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. -Item 2, Item 3 and Item 4 were further amplified using AmFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. 4) Electrophoresis: -Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler). -Electrophoresis was also carried out on Genetic Analyzer 3500xL for Item 2, Item 3 and Item 4(Y-Filer). 5) Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. 6) NM represent Non-male profile.
WWPY67	For Item 3e an unresolved 12 allele was present that was part of the 11.3 allele at D2S441.
XGUZVH	N/A = not applicable
XRT38M	STRmix analysis was conducted on this test.

TABLE 5

WebCode	Additional Comments
Y6BALY	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification Kit on the 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification Kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2, Item 3 and Item 4 using the AmpFISTR Y-filer PCR Amplification Kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1 and Item 2 (Globalfiler Express), Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl with Genemapper ID-X Software for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. NM = Non Male profile. N/A = Not applicable.
YCVB2C	Allele tables added by automatic upload
YPGMDL	STRmix analysis was conducted on this test.
YY7DZD	STRmix analysis was conducted on this test. Data reported out on this test is from analysis using GeneMapper ID-X. NR = no results.
ZBWYPL	Possible elevated stutter was left in for Item 3 because of STRmix analysis.
ZNHETL	(--)= No additional peaks were detected; detected data is below stochastic threshold.

**-End of Report-
(Appendix may follow)**

Test No. 23-5806: DNA-Mixture

DATA MUST BE SUBMITTED BY **Dec. 18, 2023, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: XL6NVE

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 a sexual assault involving a female victim and male suspect. The victim reports that the suspect sexually assaulted her in a hotel room bed. The victim fought back during the assault. Police are submitting to your laboratory a stain from the fitted bed sheet (Item 3) and a stain from the shirt the suspect was wearing (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (fitted bed sheet) is positive for blood and semen, and Item 4 (suspect's shirt) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S6):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood and semen stain from fitted bed sheet (green)

Item 4: Questioned blood stain from suspect's shirt (yellow)

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

Identifiler® GlobalFiler™ Investigator® 24plex

PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in Default order.

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

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

- Use this section to report comments regarding any part of this test.
- Written conclusions (including statistical information) for DNA analysis are not required.
- Any interpretations based on the results obtained should be indicated in the section above.
- Note: Laboratories submitting their results for accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

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

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

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

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety.

Authorized Contact Person and Title

Laboratory Name

Location (City/State)