



DNA-Blood Test No. 24-5803

Summary Report

Each participant received a sample set consisting of two known bloodstains and two questioned stains which they were asked to analyze using their existing protocols. Data were returned from 117 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 asked to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1-4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Item 1 (75 μ L), Item 3 (50 μ L), and Item 4 (50 μ L) were created using blood from the same male donor. Item 2 (75 μ L) was created using blood from a female donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on April 15, 2024 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: Predistribution results were consistent with each other and the manufacturer's preparation information. Consistent allelic results were reported for all STR and YSTR loci.

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	12,14	18,23	11,14	15,17	11,11	*
	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17	2	
2	14,16.3	19,25	11,11	13,16	7,9	*
	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NM	NM	NM	NM	
3	12,14	18,23	11,14	15,17	11,11	*
	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17	2	
4	12,14	18,23	11,14	15,17	11,11	*
	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17	2	

YSTR Results										
Results compiled from predistribution laboratories and a consensus of at least 10 participants.										
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
1	36,38	15	16,17	13	30	21	10	11	13	
	14	11	12	21	30	15	16	11,12	28	
	39	11	*	19	17	19	20	*	13	
3	36,38	15	16,17	13	30	21	10	11	13	
	14	11	12	21	30	15	16	11,12	28	
	39	11	*	19	17	19	20	*	13	
4	36,38	15	16,17	13	30	21	10	11	13	
	14	11	12	21	30	15	16	11,12	28	
	39	11	*	19	17	19	20	*	13	

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

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

Summary Comments

This test was designed to allow participants to assess their proficiency in the analysis and comparison of dried stains, where participants are advised of the body fluid(s) present in the questioned stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1, Item 3, and Item 4 were created using blood from the same male donor. Item 2 was created using blood from a female donor. Refer to the Manufacturer's Information for preparation details.

DNA Analysis

For STR results, all but one participant reported consistent results.

For YSTR results, all participants reported consistent results.

DNA Interpretations

Of the 117 participants that returned DNA results, 98 reported DNA interpretations. Five participants selected the "No Interpretation" option for each conclusion and fourteen stated the samples were analyzed for database purposes only.

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

For Item 4, all participants included the victim (Item 1) and excluded 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

249QLD	PowerPlex® Fusion 5C					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13		7,9
		15,21	10			9
2CZ9ZL	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9,9
						2
2YV96W	GlobalFiler™ Express					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9,9
						2
36UR67	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9
						2
3FWC6D	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9
						2
3XCL7E	GlobalFiler™ Express					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9
						2

TABLE 1

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

Item 1 - STR Results

44YVTG	FlexPlex 27					
		12,14	18,23	11,14	15,17	11,11 12,19
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	
47NZPV	GlobalFiler™ Express					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
48GTKE	PowerPlex® Fusion 5C					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13		7,9 9
		15,21	10			
4BG4GD	GlobalFiler™ Express					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
4J8MVM	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9,9
		15,21	10	19	17	
4LCFMZ	Identifiler® Plus					
			18,23		15,17	11,11
1		9,11	14,14			11,13 12,13
		16,17	13,14	27,29		X,Y 11,13
		19,22				7,9 9,9
		15,21				
4PDFPH	FlexPlex 27					
		12,14	18,23	11,14	15,17	11,11 12,19
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	

TABLE 1

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

Item 1 - STR Results

4TWDHE	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
698C27	GlobalFiler™ (STRMIX)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
69MXB8	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
6D37Y8	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
6DJLRE	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
6KX92H	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
7F6QZC	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		

TABLE 1

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

Item 1 - STR Results

7GWLP7	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
83AW6U	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
87FYDK	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
92GZGZ	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
97NQJ7	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
9JWAG2	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
9N7PQP	PowerPlex® Fusion 5C					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13		7,9 9
		15,21	10			

TABLE 1

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

Item 1 - STR Results

9NTXX9	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
9W2RTZ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
A6WUUC	FlexPlex 27					
	12,14	18,23	11,14	15,17	11,11	12,19
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22		11,13	19,20	7,9	9,9
	15,21	10	19	17		
A9V9H2	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
AEYC4U	Identifiler® Plus					
		18,23		15,17	11,11	
1	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					
AHGAXC	Investigator® 24plex GO					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10				
BCMWAT	Identifiler® Plus					
		18,23		15,17	11,11	
1	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					

TABLE 1

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

BFNZ3Z	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
BHFGY	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
BLTYEQ	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
BPEL7D	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9,9
		15,21	10	19	17	
BQ7HV8	PowerPlex® Fusion 5C					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13		7,9 9
		15,21	10			
CBCC34	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13		7,9 9
		15,21	10			
CGWDHG	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2

TABLE 1

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

Item 1 - STR Results

CP9Q3X	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
CZTX2M	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
DE8Q2D	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
DGWR9M	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
DH64N4	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
DKW332	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
DL4HA8	FlexPlex 27					
	12,14	18,23	11,14	15,17	11,11	12,19
1	9,11	14,14	13,14	17,18	11,13	12,13
		13,14	27,29	11,17	X,Y	11,13
	19,22		11,13	19,20	7,9	9,9
	15,21	10	19	17		

TABLE 1

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

Item 1 - STR Results

DNWEX2	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
EAQHDE	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
ERPVMZ	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
F8X9H4	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
FMCC7J	GlobalFiler™ Express					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
FPXY7	FlexPlex27					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22		11,13	19,20	7,9
		15,21	10	19	17	
FZFFRD	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2

TABLE 1

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

Item 1 - STR Results

G3HZU4	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		
G8BXJV	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
GYHPX4	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		
H8QG4R	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HPBARV	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
HRE3JA	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HU64RH	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	

TABLE 1

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

Item 1 - STR Results

HVDEF9	GlobalFiler™ (STRmix)						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
HX6FMH	GlobalFiler™ Express						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
JGC6BZ	PowerPlex® Fusion 6C						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17			
JW8L2X	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					
JZNUPX	GlobalFiler™ Express						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
L7HX7R	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11,11	
	1	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9,9
	15,21	10					
LCA3ZV	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					

TABLE 1

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

Item 1 - STR Results

LDME37	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
LFUUBX	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
MAH7B2	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
MBT9WZ	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		
MNJ6YX	FlexPlex 27					
	12,14	18,23	11,14	15,17	11,11	12,19
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22		11,13	19,20	7,9	9,9
	15,21	10	19	17		
MQLZH2	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
P6F7QM	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	

TABLE 1

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

Item 1 - STR Results

PDVP92	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
PNVFRM	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
PQVNVX	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		
Q9V26Y	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
QGQYV9	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
KKQ8ZH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
QYBPV8	NGM SElect					
	12,14	18,23	11,14	15,17		
1		14,14	13,14	17,18		12,13
	16,17	13,14	27,29	11,17	X,Y	
	19,22			19,20	7,9	
	15,21					

TABLE 1

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

R3QJ9J	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13		7,9
		15,21	10			9
R7LBEV	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9,9
						2
RJ9K2Z	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11,11
1		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13	19,20	7,9
		15,21	10	19	17	9,9
RTFHMH	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13		7,9
		15,21	10			9
RXACKJ	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9
						2
RXTZ6Z	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			9
						2
TDE3ZU	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11
1		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13	19,20	7,9
		15,21	10	19	17	9

TABLE 1

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

Item 1 - STR Results

UDX79U	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
UJ43UF	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
UQJLCU	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
UUHW8U	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
V6WG3A	Investigator® 24plex					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10				
V9HXKV	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
VPMKP3	Identifiler®					
		18,23		15,17	11,11	
1	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					

TABLE 1

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

WT2KH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
W3PDUK	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
W6GC9H	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
W8K8RL	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
WFW7LW	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
WN9HEN	PowerPlex® 21					
	12,14	18,23		15,17	11,11	12,19
1	9,11	14,14		17,18	11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22	10,12	11,13		7,9	9,9
	15,21					
WRNQ3M	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	

TABLE 1

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

Item 1 - STR Results

WUYVFC	GlobalFiler™						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
WVQQ46	GlobalFiler™						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
WYCDWT	PowerPlex® Fusion 6C						
		12,14	18,23	11,14	15,17	11,11	
	1	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17			
Y2RM2B	GlobalFiler™						
		12,14	18,23	11,14	15,17	11	
	1	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
YHBFPE	GlobalFiler™						
		12,14	18,23	11,14	15,17	11,11	--
	1	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	--	--	19,20	7,9	9,9
	15,21	10	--	--	2		
YN3QYC	PowerPlex® ESX 17 Fast System						
		12,14	18,23	11,14	15,17		
	1		14,14	13,14	17,18		12,13
		16,17	13,14	27,29	11,17	X,Y	
		19,22			19,20	7,9	
	15,21						
YVfyZE	PowerPlex® Fusion 6C						
		12,14	18,23	11,14	15,17	11,11	
	1	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17			

TABLE 1

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

Item 1 - STR Results

YZBQ9B	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
Z3U4AQ	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
Z6K7HY	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11	
1	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
ZEPDXY	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
ZLBBLM	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
1	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	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

249QLD	PowerPlex® Fusion 5C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16					
2CZ9ZL	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
2YV96W	GlobalFiler™ Express					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
36UR67	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
3FWC6D	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
3XCL7E	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NM			NM	
44YVTG	FlexPlex 27					
	14,16.3	19,25	11,11	13,16	7,9	13,20
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24		7,17	11,22.2	7,9.3	8,10
	16,16					

TABLE 1

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

Item 2 - STR Results

47NZPV	GlobalFiler™ Express					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
48GTKE	PowerPlex® Fusion 5C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16	NR				
4BG4GD	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NR			NR	
4J8MVM	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
4LCFMZ	Identifiler® Plus					
		19,25		13,16	7,9	
2	11,12	12,13			9,11	11,13
	13,18	15,15	30,31.2		X,X	11,12
	21,24				7,9.3	8,10
	16,16					
4PDFPH	FlexPlex 27					
	14,16.3	19,25	11,11	13,16	7,9	13,20
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24		7,17	11,22.2	7,9.3	8,10
	16,16					
4TWDHE	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	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 2 - STR Results

698C27	GlobalFiler™ (STRMIX)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
69MXB8	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16	--			--	
6D37Y8	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
6DJLRE	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
6KX92H	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
7F6QZC	PowerPlex® Fusion 6C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16					
7GWLP7	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

83AW6U	GlobalFiler™					
	14,16.3	19,25,26	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
87FYDK	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
92GZGZ	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
97NQJ7	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16	NR			NR	
9JWAG2	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
9N7PQP	PowerPlex® Fusion 5C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16					
9NTXX9	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	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 2 - STR Results

9W2RTZ	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
A6WUUC	FlexPlex 27					
	14,16.3	19,25	11,11	13,16	7,9	13,20
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24		7,17	11,22.2	7,9.3	8,10
	16,16					
A9V9H2	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16	--			--	
AEYC4U	Identifiler® Plus					
		19,25		13,16	7,9	
2	11,12	12,13			9,11	11,13
	13,18	15,15	30,31.2		XX	11,12
	21,24				7,9.3	8,10
	16,16					
AHGAXC	Investigator® 24plex GO					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NR				
BCMWAT	Identifiler® Plus					
		19,25		13,16	7,9	
2	11,12	12,13			9,11	11,13
	13,18	15,15	30,31.2		XX	11,12
	21,24				7,9.3	8,10
	16,16					
BFNZ3Z	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

BHFGY	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
BLTYEQ	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
BPEL7D	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
BQ7HV8	PowerPlex® Fusion 5C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16	NR				
CBCC34	PowerPlex® Fusion					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16	NR				
CGWDHG	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
CP9Q3X	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

CZTX2M	GlobalFiler™ Express						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X,X	11,12
		21,24			11,22.2	7,9.3	8,10
		16	NM			NM	
DE8Q2D	GlobalFiler™ (STRmix)						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24			11,22.2	7,9.3	8,10
		16					
DGWR9M	GlobalFiler™ Express						
		14,16.3	19,25	11,11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15,15	30,31.2	11,16	X,X	11,12
		21,24			11,22.2	7,9.3	8,10
		16,16	-				
DH64N4	GlobalFiler™						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24			11,22.2	7,9.3	8,10
		16					
DKW332	GlobalFiler™						
		14,16.3	19,25	11,11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15,15	30,31.2	11,16	X,X	11,12
		21,24			11,22.2	7,9.3	8,10
		16,16	NR			NR	
DL4HA8	FlexPlex 27						
		14,16.3	19,25	11,11	13,16	7,9	13,20
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15,15	30,31.2	11,16	X,X	11,12
		21,24		7,17	11,22.2	7,9.3	8,10
		16,16					
DNWEX2	GlobalFiler™						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24			11,22.2	7,9.3	8,10
		16					

TABLE 1

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

Item 2 - STR Results

EAQHDE	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	No Results			No Results	
ERPVMZ	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16	NR			NR	
F8X9H4	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
FMCC7J	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NM			NM	
FPXY7	FlexPlex27					
	14,16.3	19,25	11,11	13,16	7,9	13,20
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24		7,17	11,22.2	7,9.3	8,10
	16,16					
FZFFRD	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	No results			No results	
G3HZU4	PowerPlex® Fusion 6C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

G8BXJV	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	-			-	
GYHPX4	PowerPlex® Fusion 6C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16					
H8QG4R	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
HPBARV	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16					
HRE3JA	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
HU64RH	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NM			NM	
HVEDF9	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

HX6FMH	GlobalFiler™ Express						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X,X	11,12
		21,24			11,22.2	7,9.3	8,10
		16	NM			NM	
JGC6BZ	PowerPlex® Fusion 6C						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24	11,13	7,17	11,22.2	7,9.3	8,10
		16					
JW8L2X	PowerPlex® Fusion						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24	11,13	7,17		7,9.3	8,10
		16	NR				
JZNUPX	GlobalFiler™ Express						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24			11,22.2	7,9.3	8,10
		16	NR			NR	
L7HX7R	PowerPlex® Fusion						
		14,16.3	19,25	11,11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15,15	30,31.2	11,16	X,X	11,12
		21,24	11,13	7,17		7,9.3	8,10
		16,16	ND				
LCA3ZV	PowerPlex® Fusion						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24	11,13	7,17		7,9.3	8,10
		16	NR				
LDME37	GlobalFiler™						
		14,16.3	19,25	11	13,16	7,9	
	2	11,12	12,13	13,14	19,20	9,11	11,13
		13,18	15	30,31.2	11,16	X	11,12
		21,24			11,22.2	7,9.3	8,10
		16	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 2 - STR Results

LFUUBX	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
MAH7B2	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
MBT9WZ	PowerPlex® Fusion 6C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16					
MNJ6YX	FlexPlex 27					
	14,16.3	19,25	11,11	13,16	7,9	13,20
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24		7,17	11,22.2	7,9.3	8,10
	16,16					
MQLZH2	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
P6F7QM	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
PDVP92	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		

TABLE 1

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

Item 2 - STR Results

PNVFRM	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
PQVNVX	PowerPlex® Fusion 6C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16					
Q9V26Y	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
QGQYV9	GlobalFiler™ Express					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
QKQ8ZH	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
QYBPV8	NGM SElect					
	14,16.3	19,25	11,11	13,16		
2		12,13	13,14	19,20		11,13
	13,18	15,15	30,31.2	11,16	X,X	
	21,24			11,22.2	7,9.3	
	16,16					
R3QJ9J	PowerPlex® Fusion					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16	NA				

TABLE 1

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

Item 2 - STR Results

R7LBEV	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
RJ9KZZ	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
RTFHHM	PowerPlex® Fusion					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16	NA				
RXACKJ	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
RXTZ6Z	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
TDE3ZU	PowerPlex® Fusion 6C					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16					
UDX79U	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		

TABLE 1

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

Item 2 - STR Results

UJ43UF	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
UQJLCU	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
UUHW8U	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
V6WG3A	Investigator® 24plex					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
V9HXKV	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
VPMKP3	Identifiler®					
		19,25		13,16	7,9	
2	11,12	12,13			9,11	11,13
	13,18	15,15	30,31.2		XX	11,12
	21,24				7,9.3	8,10
	16,16					
WT2KH	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					

TABLE 1

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

Item 2 - STR Results

W3PDUK	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NM			NM	
W6GC9H	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16	NR			NR	
W8K8RL	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NR			NR	
WFW7LW	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16	No Result			No Result	
WN9HEN	PowerPlex® 21					
	14,16.3	19,25		13,16	7,9	13,20
2	11,12	12,13		19,20	9,11	11,13
	13,18	15,15	30,31.2		X,X	11,12
	21,24	11,13	7,17		7,9.3	8,10
	16,16					
WRNQ3M	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	X,X	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
WUYVFC	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

WVQQ46	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
WYCDWT	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16	NR	NR	NR		
Y2RM2B	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
YHBFPE	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	--
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	--	--	11,22.2	7,9.3	8,10
	16,16	--	--	--	--	
YN3QYC	PowerPlex® ESX 17 Fast System					
	14,16.3	19,25	11,11	13,16		
2		12,13	13,14	19,20		11,13
	13,18	15,15	30,31.2	11,16	XX	
	21,24			11,22.2	7,9.3	
	16,16					
YVfyZE	PowerPlex® Fusion 6C					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24	11,13	7,17	11,22.2	7,9.3	8,10
	16,16					
YZBQ9B	GlobalFiler™ (STRmix)					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					

TABLE 1

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

Item 2 - STR Results

Z3U4AQ	GlobalFiler™					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	X	11,12
	21,24			11,22.2	7,9.3	8,10
	16					
Z6K7HY	GlobalFiler™ Express					
	14,16.3	19,25	11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16	NM			NM	
ZEPDXY	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					
ZLBBLM	GlobalFiler™					
	14,16.3	19,25	11,11	13,16	7,9	
2	11,12	12,13	13,14	19,20	9,11	11,13
	13,18	15,15	30,31.2	11,16	XX	11,12
	21,24			11,22.2	7,9.3	8,10
	16,16					

TABLE 1

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

Item 3 - STR Results

249QLD	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
2CZ9ZL	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
2YV96W	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
36UR67	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
3FWC6D	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
3XCL7E	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
44YVTG	FlexPlex 27					
	12,14	18,23	11,14	15,17	11,11	12,19
3	9,11		13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
			11,13	19,20	7,9	9,9
	15,21	10	19	17		

TABLE 1

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

Item 3 - STR Results

47NZPV	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
48GTKE	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
4BG4GD	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
4LCFMZ	Identifiler® Plus					
		18,23		15,17	11,11	
3	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					
4PDFPH	FlexPlex 27					
	12,14		11,14	15,17	11,11	12,19
3	9,11		13,14	17,18		12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	
	15,21	10		17		
4TWDHE	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
698C27	GlobalFiler™ (STRMIX)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

69MXB8	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
6D37Y8	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
6DJLRE	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
6KX92H	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
7F6QZC	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13	19,20	7,9
		15,21	10	19	17	
7GWLP7	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
83AW6U	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	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

87FYDK	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
92GZGZ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
97NQJ7	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
9JWAG2	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
9N7PQP	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
9NTXX9	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
9W2RTZ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

A6WUUC	FlexPlex 27					
		12,14	18,23	11,14	15,17	11,11 12,19
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	
A9V9H2	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
AEYC4U	Identifiler® Plus					
			18,23		15,17	11,11
3		9,11	14,14			11,13 12,13
		16,17	13,14	27,29		X,Y 11,13
		19,22				7,9 9,9
		15,21				
AHGAXC	Investigator® 24plex					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			
BCMWAT	Identifiler® Plus					
			18,23		15,17	11,11
3		9,11	14,14			11,13 12,13
		16,17	13,14	27,29		X,Y 11,13
		19,22				7,9 9,9
		15,21				
BFNZ3Z	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
BHFYGY	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	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

BLTYEQ	GlobalFiler™						
		12,14	18,23	11,14	15,17	11,11	
	3	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9,9
	15,21	10			2		
BPEL7D	PowerPlex® Fusion 6C (STRmix)						
		12,14	18,23	11,14	15,17	11,11	
	3	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17			
BQ7HV8	PowerPlex® Fusion 5C						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					
CBCC34	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					
CP9Q3X	GlobalFiler™ (STRmix)						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
CZTX2M	GlobalFiler™						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	10			2		
DE8Q2D	GlobalFiler™ (STRmix)						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	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

DGWR9M	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
DH64N4	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
DKW332	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
DL4HA8	FlexPlex 27					
	12,14	18,23	11,14	15,17	11,11	12,19
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22		11,13	19,20	7,9	9,9
	15,21	10	19	17		
DNWEX2	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
ERPVMZ	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
F8X9H4	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	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

FMCC7J	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
FPXY7	FlexPlex27					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22		11,13	19,20	7,9
		15,21	10	19	17	
FZFFRD	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
G3HZU4	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13	19,20	7,9
		15,21	10	19	17	
G8BXJV	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
GYHPX4	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13	19,20	7,9
		15,21	10	19	17	
H8QG4R	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	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

HPBARV	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
HRE3JA	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HU64RH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HVEDF9	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HX6FMH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
J2YTJ7	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
JGC6BZ	PowerPlex® Fusion 6C (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		

TABLE 1

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

Item 3 - STR Results

JW8L2X	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					
JZNUPX	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					
L7HX7R	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11,11	
	3	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9,9
	15,21	10					
LCA3ZV	PowerPlex® Fusion						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13		7,9	9
	15,21	10					
LFUUBX	GlobalFiler™						
		12,14	18,23	11,14	15,17	11,11	
	3	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9,9
	15,21	10			2		
MAH7B2	PowerPlex® Fusion 6C (STRmix V 2.5.11)						
		12,14	18,23	11,14	15,17	11,11	
	3	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17			
MBT9WZ	PowerPlex® Fusion 6C						
		12,14	18,23	11,14	15,17	11	
	3	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17			

TABLE 1

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

Item 3 - STR Results

MNJ6YX	FlexPlex 27					
		12,14	18,23	11,14	15,17	11,11 12,19
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	
MQLZH2	PowerPlex® Fusion 6C (STRMix v2.5.11)					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9,9
		15,21	10	19	17	
P6F7QM	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
PNVFRM	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
PQVNVX	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9
		15,21	10	19	17	
QGQYV9	GlobalFiler™ Express					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
QKQ8ZH	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	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

QYBPV8	NGM SElect					
		12,14	18,23	11,14	15,17	
3			14,14	13,14	17,18	12,13
		16,17	13,14	27,29	11,17	X,Y
				19,20	7,9	
		15,21				
R3QJ9J	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	7,9	9
		15,21	10			
R7LBEV	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		19,20	7,9	9,9
		15,21	10		2	
RJ9K2Z	PowerPlex® Fusion 6C (STRmix V2.5.11)					
		12,14	18,23	11,14	15,17	11,11
3		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9,9
		15,21	10	19	17	
RTFHMH	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	7,9	9
		15,21	10			
RXACKJ	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		19,20	7,9	9
		15,21	10		2	
RXTZ6Z	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
3		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		19,20	7,9	9
		15,21	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

TDE3ZU	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		
UDX79U	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
UJ43UF	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
UQJLCU	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
UUHW8U	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
V6WG3A	Investigator® 24plex					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10				
VPMKP3	Identifiler®					
		18,23		15,17	11,11	
3	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					

TABLE 1

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

WT2KH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
W3PDUK	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
W6GC9H	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
W8K8RL	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
WN9HEN	PowerPlex® 21 (STRmix)					
	12,14	18,23		15,17	11,11	12,19
3	9,11	14,14		17,18	11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22	10,12	11,13		7,9	9,9
	15,21					
WRNQ3M	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
WUYVFC	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

WVQQ46	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
WYCDWT	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
Y2RM2B	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
YHBFPE	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	--
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	--	--	19,20	7,9	9,9
	15,21	10	--	--	2	
YN3QYC	PowerPlex® ESX 17 Fast System					
	12,14	18,23	11,14	15,17		
3		14,14	13,14	17,18		12,13
	16,17	13,14	27,29	11,17	X,Y	
	19,22			19,20	7,9	
	15,21					
YVfyZE	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
YZBQ9B	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

Z3U4AQ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
Z6K7HY	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
3	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
ZEPDXY	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
ZLBBLM	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
3	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	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

249QLD	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
2CZ9ZL	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
2YV96W	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
36UR67	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
3FWC6D	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
3XCL7E	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
44YVTG	FlexPlex 27					
	12,14	18,23	11,14	15,17		12,19
4	9,11		13,14	17,18	11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22		11,13	19,20	7,9	
	15,21	10	19	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

47NZPV	GlobalFiler™ Express					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
48GTKE	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
4BG4GD	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
4LCFMZ	Identifiler® Plus					
		18,23		15,17	11,11	
4	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					
4PDFPH	FlexPlex 27					
	12,14	18,23	11,14	15,17	11,11	12,19
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22		11,13	19,20	7,9	9,9
	15,21	10	19	17		
4TWDHE	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
698C27	GlobalFiler™ (STRMIX)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

69MXB8	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
6D37Y8	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
6DJLRE	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
6KX92H	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
7F6QZC	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22	10,12	11,13	19,20	7,9
		15,21	10	19	17	
7GWLP7	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	10			2
83AW6U	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21	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

87FYDK	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
92GZGZ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
97NQJ7	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
9JWAG2	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
9N7PQP	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
9NTXX9	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
9W2RTZ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

A6WUUC	FlexPlex 27					
		12,14	18,23	11,14	15,17	11,11 12,19
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	
A9V9H2	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
AEYC4U	Identifiler® Plus					
			18,23		15,17	11,11
4		9,11	14,14			11,13 12,13
		16,17	13,14	27,29		X,Y 11,13
		19,22				7,9 9,9
		15,21				
AHGAXC	Investigator® 24plex					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			
BCMWAT	Identifiler® Plus					
			18,23		15,17	11,11
4		9,11	14,14			11,13 12,13
		16,17	13,14	27,29		X,Y 11,13
		19,22				7,9 9,9
		15,21				
BFNZ3Z	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
BHFYGY	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	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

BLTYEQ	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
BPEL7D	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
BQ7HV8	PowerPlex® Fusion 5C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
CBCC34	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
CP9Q3X	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
CZTX2M	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
DE8Q2D	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

DGWR9M	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
DH64N4	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
DKW332	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
DL4HA8	FlexPlex 27					
		12,14	18,23	11,14	15,17	11,11 12,19
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	
DNWEX2	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
ERPVMZ	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	10			2
F8X9H4	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9,9
		15,21	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

FMCC7J	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
FPXY7	FlexPlex27					
		12,14	18,23	11,14	15,17	11,11 12,19
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22		11,13	19,20	7,9 9,9
		15,21	10	19	17	
FZFFRD	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
G3HZU4	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9
		15,21	10	19	17	
G8BXJV	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
GYHPX4	PowerPlex® Fusion 6C (STRmix)					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9
		15,21	10	19	17	
H8QG4R	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	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

HPBARV	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
HRE3JA	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HU64RH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HVEDF9	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
HX6FMH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
J2YTJ7	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
JGC6BZ	PowerPlex® Fusion 6C (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	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

JW8L2X	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
JZNUPX	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
L7HX7R	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9,9
	15,21	10				
LCA3ZV	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
LFUUBX	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
MAH7B2	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
MBT9WZ	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	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

MNJ6YX	FlexPlex 27						
		12,14	18,23	11,14	15,17	11,11	12,19
	4	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22		11,13	19,20	7,9	9,9
	15,21	10	19	17			
MQLZH2	PowerPlex® Fusion 6C						
		12,14	18,23	11,14	15,17	11,11	
	4	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17			
P6F7QM	GlobalFiler™						
		12,14	18,23	11,14	15,17	11,11	
	4	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9,9
	15,21	10			2		
PNVFRM	GlobalFiler™						
		12,14	18,23	11,14	15,17	11,11	
	4	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9,9
	15,21	10			2		
PQVNVX	PowerPlex® Fusion 6C						
		12,14	18,23	11,14	15,17	11	
	4	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17			
QGQYV9	GlobalFiler™ Express						
		12,14	18,23	11,14	15,17	11,11	
	4	9,11	14,14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9,9
	15,21	10			2		
KQK8ZH	GlobalFiler™						
		12,14	18,23	11,14	15,17	11	
	4	9,11	14	13,14	17,18	11,13	12,13
		16,17	13,14	27,29	11,17	X,Y	11,13
		19,22			19,20	7,9	9
	15,21	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

QYBPV8	NGM SElect					
		12,14	18,23	11,14	15,17	
4			14,14	13,14	17,18	12,13
		16,17	13,14	27,29	11,17	X,Y
				19,20	7,9	
		19,22				
		15,21				
R3QJ9J	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
4			14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
					7,9	9
		19,22	10,12	11,13		
		15,21	10			
R7LBEV	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11
4			14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
					7,9	9,9
		19,22		19,20		
		15,21	10		2	
RJ9K2Z	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11,11
4			14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
					7,9	9,9
		19,22	10,12	11,13	19,20	
		15,21	10	19	17	
RTFHMH	PowerPlex® Fusion					
		12,14	18,23	11,14	15,17	11
4			14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
					7,9	9
		19,22	10,12	11,13		
		15,21	10			
RXACKJ	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4			14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
					7,9	9
		19,22		19,20		
		15,21	10		2	
RXTZ6Z	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
4			14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
					7,9	9
		19,22		19,20		
		15,21	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

TDE3ZU	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9
	15,21	10	19	17		
UDX79U	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
UJ43UF	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
UQJLCU	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
UUHW8U	PowerPlex® Fusion 6C					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13	19,20	7,9	9,9
	15,21	10	19	17		
V6WG3A	Investigator® 24plex					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10				
VPMKP3	Identifiler®					
		18,23		15,17	11,11	
4	9,11	14,14			11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22				7,9	9,9
	15,21					

TABLE 1

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

WT2KH	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
W3PDUK	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
W6GC9H	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
W8K8RL	PowerPlex® Fusion					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22	10,12	11,13		7,9	9
	15,21	10				
WN9HEN	PowerPlex® 21 (STRmix)					
	12,14	18,23		15,17	11,11	12,19
4	9,11	14,14		17,18	11,13	12,13
	16,17	13,14	27,29		X,Y	11,13
	19,22	10,12	11,13		7,9	9,9
	15,21					
WRNQ3M	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
WUYVFC	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	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

WVQQ46	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
WYCDWT	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9,9
		15,21	10	19	17	
Y2RM2B	GlobalFiler™					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	10			2
YHBFPE	GlobalFiler™					
		12,14	18,23	11,14	15,17	11,11 --
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	--	--	19,20	7,9 9,9
		15,21	10	--	--	2
YN3QYC	PowerPlex® ESX 17 Fast System					
		12,14	18,23	11,14	15,17	
4			14,14	13,14	17,18	12,13
		16,17	13,14	27,29	11,17	X,Y
		19,22			19,20	7,9
		15,21				
YVfyZE	PowerPlex® Fusion 6C					
		12,14	18,23	11,14	15,17	11,11
4		9,11	14,14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22	10,12	11,13	19,20	7,9 9,9
		15,21	10	19	17	
YZBQ9B	GlobalFiler™ (STRmix)					
		12,14	18,23	11,14	15,17	11
4		9,11	14	13,14	17,18	11,13 12,13
		16,17	13,14	27,29	11,17	X,Y 11,13
		19,22			19,20	7,9 9
		15,21	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

Z3U4AQ	GlobalFiler™ (STRmix)					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
Z6K7HY	GlobalFiler™					
	12,14	18,23	11,14	15,17	11	
4	9,11	14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9
	15,21	10			2	
ZEPDXY	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	
ZLBBLM	GlobalFiler™					
	12,14	18,23	11,14	15,17	11,11	
4	9,11	14,14	13,14	17,18	11,13	12,13
	16,17	13,14	27,29	11,17	X,Y	11,13
	19,22			19,20	7,9	9,9
	15,21	10			2	

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 1 - YSTR Results									
2CZ9ZL	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
36UR67	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
3XCL7E	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
48GTKE	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
4BG4GD	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
4J8MVM	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
4TWDHE	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
698C27	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
69MXB8	PowerPlex® Y 23								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		28
		11	11	19	17		20	13	13
92GZGZ	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
9N7PQP	PowerPlex® Y 23								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		28
		11	11	19	17		20	13	13

TABLE 2

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

Item 1 - YSTR Results

9NTXX9	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
9W2RTZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
A9V9H2	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
BHFYGY	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
BLTYEQ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
BPEL7D	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
							20		13
BQ7HV8	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CBCC34	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CP9Q3X	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CZTX2M	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
							20		13
DE8Q2D	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
DNWEX2	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 1 - YSTR Results									
ERPVNZ	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
F8X9H4	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
FMCC7J	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
G8BXJV	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
H8QG4R	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HPBARV	PowerPlex® Y 23								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
HRE3JA	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HU64RH	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
HVEDF9	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HX6FMH	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
JGC6BZ	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
JW8L2X	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 1 - YSTR Results									
JZNUPX	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
LCA3ZV	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
MAH7B2	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
MQLZH2	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
PDVP92	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
Q9V26Y	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
QYBPV8	PowerPlex® Y 23								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
R7LBEV	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
RJ9K2Z	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
RXTZ6Z	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
UDX79U	Yfiler™								
1		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
							20		13
UJ43UF	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 1 - YSTR Results									
UQJLCU	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
UUHW8U	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
V9HXKV	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
W3PDUK	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
W8K8RL	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
WYCDWT	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13
YN3QYC	PowerPlex® Y 23								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		28
		11	11	19	17		20	13	13
YZBQ9B	Yfiler™ Plus								
1	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
Z6K7HY	Yfiler™								
1	14	15	16,17	13	30	21	10	11	13
		11	12	21		15	16		
							20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
2CZ9ZL	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		13
							20		
36UR67	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
3XCL7E	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
48GTKE	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
4BG4GD	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
4TWDHE	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
698C27	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
69MXB8	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
92GZGZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
9N7PQP	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
9NTXX9	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
9W2RTZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

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

Item 3 - YSTR Results

A9V9H2	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
BHFYGY	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
BLTYEQ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
BPFL7D	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
BQ7HV8	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CBCC34	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CP9Q3X	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CZTX2M	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
DE8Q2D	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
DNWEX2	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
ERPVNZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
F8X9H4	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3 - YSTR Results									
FMCC7J	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		13
							20		
G8BXJV	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
H8QG4R	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HPBARV	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
HRE3JA	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HU64RH	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		13
							20		
HVEDF9	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HX6FMH	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		13
							20		
J2YTJ7	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		13
							20		
JGC6BZ	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
JW8L2X	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
JZNUPX	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

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

Item 3 - YSTR Results

LCA3ZV	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
MAH7B2	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
MQLZH2	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
QYBPV8	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
R7LBEV	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
RJ9K2Z	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
RXTZ6Z	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
UDX79U	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
UJ43UF	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
3	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
UQJLCU	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
UUHW8U	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13
W3PDUK	Yfiler™								
		15	16,17	13	30	21	10	11	13
3	14	11	12	21		15	16		
							20		13

TABLE 2

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

Item 3 - YSTR Results

W8K8RL	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
WYCDWT	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
						20			13
YN3QYC	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
YZBQ9B	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
Z6K7HY	Yfiler™								
		15	16,17	13	30	21	10	11	13
	14	11	12	21		15	16		
						20			13

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4 - YSTR Results									
2CZ9ZL	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		13
							20		
36UR67	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
3XCL7E	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
48GTKE	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
4BG4GD	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
4TWDHE	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
698C27	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
69MXB8	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
92GZGZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
9N7PQP	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
9NTXX9	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
9W2RTZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

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

Item 4 - YSTR Results

A9V9H2	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
BHFYGY	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
BLTYEQ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
BPEL7D	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
BQ7HV8	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CBCC34	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CP9Q3X	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
CZTX2M	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
DE8Q2D	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
DNWEX2	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
ERPVNZ	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
F8X9H4	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4 - YSTR Results									
FMCC7J	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		13
							20		
G8BXJV	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
H8QG4R	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HPBARV	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
HRE3JA	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HU64RH	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		13
							20		
HVEDF9	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
HX6FMH	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		13
							20		
J2YTJ7	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		13
							20		
JGC6BZ	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
JW8L2X	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
JZNUPX	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4 - YSTR Results									
LCA3ZV	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
MAH7B2	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
MQLZH2	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
QYBPV8	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		28
		11	11	19	17		20	13	13
R7LBEV	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
RJ9K2Z	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
RXTZ6Z	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
UDX79U	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
UJ43UF	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
4	14	11	12	21	30	15	16	11,12	28
	39	11		19	17	19	20		13
UQJLCU	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
UUHW8U	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13
W3PDUK	Yfiler™								
		15	16,17	13	30	21	10	11	13
4	14	11	12	21		15	16		
							20		13

TABLE 2

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

Item 4 - YSTR Results

W8K8RL	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	4	14	11	12	21	30	15	16	11,12
	39	11		19	17	19	20		13
WYCDWT	Yfiler™								
		15	16,17	13	30	21	10	11	13
	4	14	11	12	21	15	16		
						20			13
YN3QYC	PowerPlex® Y 23								
		15	16,17	13	30	21	10	11	13
	4	14	11	12	21	15	16		28
		11	11	19	17		20	13	13
YZBQ9B	Yfiler™ Plus								
	36,38	15	16,17	13	30	21	10	11	13
	4	14	11	12	21	30	15	16	11,12
	39	11		19	17	19	20		13
Z6K7HY	Yfiler™								
		15	16,17	13	30	21	10	11	13
	4	14	11	12	21	15	16		
						20			13

Additional DNA Results

TABLE 3

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

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

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
249QLD	Yes	Yes	No	No	7GWL7P	No Interp	No Interp	No Interp	No Interp
2CZ9ZL	No Interpretations Reported, DNA Analyzed for Database purposes only.				83AW6U	Yes	Yes	No	No
2YV96W	Yes	Yes	No	No	87FYDK	Yes	Yes	No	No
36UR67	Yes	Yes	No	No	92GZGZ	Yes	Yes	No	No
3FWC6D	Yes	Yes	No	No	97NQJ7	Yes	Yes	No	No
3XCL7E	Yes	Yes	No	No	9JWAG2	Yes	Yes	No	No
44YVTG	Yes	Yes	No	No	9N7PQP	Yes	Yes	No	No
47NZPV	Yes	Yes	No	No	9NTXX9	Yes	Yes	No	No
48GTKE	Yes	Yes	No	No	9W2RTZ	Yes	Yes	No	No
4BG4GD	Yes	Yes	No	No	A6WUUC	Yes	Yes	No	No
4J8MVM	No Interpretations Reported, DNA Analyzed for Database purposes only.				A9V9H2	Yes	Yes	No	No
4LCFMZ	Yes	Yes	No	No	AEYC4U	Yes	Yes	No	No
4PDFPH	Yes	Yes	No	No	AHGAXC	Yes	Yes	No	No
4TWDHE	Yes	Yes	No	No	BCMWAT	Yes	Yes	No	No
698C27	Yes	Yes	No	No	BFNZ3Z	Yes	Yes	No	No
69MXB8	Yes	Yes	No	No	BHFYGY	Yes	Yes	No	No
6D37Y8	Yes	Yes	No	No	BLTYEQ	Yes	Yes	No	No
6DJLRE	Yes	Yes	No	No	BPEL7D	Yes	Yes	No	No
6KX92H	No Interpretations Reported, DNA Analyzed for Database purposes only.				BQ7HV8	Yes	Yes	No	No
7F6QZC	Yes	Yes	No	No	CBCC34	Yes	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
CGWDHG	No Interp	No Interp	No Interp	No Interp	HU64RH	Yes	Yes	No	No
CP9Q3X	Yes	Yes	No	No	HVEDF9	Yes	Yes	No	No
CZTX2M	Yes	Yes	No	No	HX6FMH	Yes	Yes	No	No
DE8Q2D	Yes	Yes	No	No	J2YTJ7	No Interp	No Interp	No Interp	No Interp
DGWR9M	Yes	Yes	No	No	JGC6BZ	Yes	Yes	No	No
DH64N4	Yes	Yes	No	No	JW8L2X	Yes	Yes	No	No
DKW332	Yes	Yes	No	No	JZNUPX	Yes	Yes	No	No
DL4HA8	Yes	Yes	No	No	L7HX7R	Yes	Yes	No	No
DNWEX2	Yes	Yes	No	No	LCA3ZV	Yes	Yes	No	No
EAQHDE	No Interpretations Reported, DNA Analyzed for Database purposes only.				LDME37	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ERPVNZ	Yes	Yes	No	No	LFUUBX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
F8X9H4	No Interpretations Reported, DNA Analyzed for Database purposes only.				MAH7B2	Yes	Yes	No	No
FMCC7J	Yes	Yes	No	No	MBT9WZ	Yes	Yes	No	No
FPXY7	Yes	Yes	No	No	MNJ6YX	Yes	Yes	No	No
FZFFRD	Yes	Yes	No	No	MQLZH2	Yes	Yes	No	No
G3HZU4	Yes	Yes	No	No	P6F7QM	Yes	Yes	No	No
G8BXJV	Yes	Yes	No	No	PDVP92	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GYHPX4	Yes	Yes	No	No	PNVFRM	Yes	Yes	No	No
H8QG4R	Yes	Yes	No	No	PQVNVX	Yes	Yes	No	No
HPBARV	Yes	Yes	No	No	Q9V26Y	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HRE3JA	Yes	Yes	No	No	QGQYV9	Yes	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
QKQ8ZH	Yes	Yes	No	No	WN9HEN	Yes	Yes	No	No
QYBPV8	Yes	Yes	No	No	WRNQ3M	No Interpretations Reported, DNA Analyzed for Database purposes only.			
R3QJ9J	Yes	Yes	No	No	WUYVFC	No Interp	No Interp	No Interp	No Interp
R7LBEV	No Interpretations Reported, DNA Analyzed for Database purposes only.				WVQQ46	Yes	Yes	No	No
RJ9K2Z	Yes	Yes	No	No	WYCDWT	Yes	Yes	No	No
RTFHMH	Yes	Yes	No	No	Y2RM2B	No Interp	No Interp	No Interp	No Interp
RXACKJ	Yes	Yes	No	No	YHBFPE	Yes	Yes	No	No
RXTZ6Z	Yes	Yes	No	No	YN3QYC	Yes	Yes	No	No
TDE3ZU	Yes	Yes	No	No	YVFYZE	Yes	Yes	No	No
UDX79U	Yes	Yes	No	No	YZBQ9B	Yes	Yes	No	No
UJ43UF	Yes	Yes	No	No	Z3U4AQ	Yes	Yes	No	No
UQJLCU	Yes	Yes	No	No	Z6K7HY	Yes	Yes	No	No
UUHW8U	Yes	Yes	No	No	ZEPDXY	Yes	Yes	No	No
V6WG3A	Yes	Yes	No	No	ZLBBLM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
V9HXKV	No Interpretations Reported, DNA Analyzed for Database purposes only.								
VPMKP3	Yes	Yes	No	No					
WT2KH	Yes	Yes	No	No					
W3PDUK	Yes	Yes	No	No					
W6GC9H	Yes	Yes	No	No					
W8K8RL	Yes	Yes	No	No					
WFW7LW	No Interpretations Reported, DNA Analyzed for Database purposes only.								

DNA Interpretation					
Response Summary		Participants reporting DNA results: 117			
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		98	98	0	0
No		0	0	98	98
Inc		0	0	0	0
No Interpretation		5	5	5	5
No Response		0	0	0	0

Participants analyzing DNA for database purposes only: 14

Additional Comments

TABLE 5

WebCode	Additional Comments
3XCL7E	Extraction: - Item 1 and Item 2 were extracted using in situ method. - Item 3 and Item 4 were extracted using Investigator kit on QIASymphony automation platform. Quantification: - Item 3 and Item 4 were quantified using Quantifiler Trio Quantification kit on QuantStudio 5 Real Time PCR System. Amplification: - Item 1 and Item 2 were amplified using Globalfiler Express (GFE) kit on ABI Proflex PCR System. - Item 3 and Item 4 were amplified using GlobalFiler STR kit on 9700 GeneAmp PCR System. - Y-STR amplification was carried out on Item 1, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: -Electrophoresis of GlobalFiler were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. -Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500xL for Item 1, Item 3 and Item 4. Quality Control: - Reagent Blank, Positive Control and Negative Control were incorporated throughout the analysis and all gave intended results. NM represent Non-male profile.
48GTKE	STRmix analysis was conducted on this test. Data reported out is from analysis using GeneMapper ID-X software. NR = No Results.
4BG4GD	NR=No Results. All items were analyzed using PowerPlex Fusion 5C. Item 1, 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 cartridges. Item 3 and Item 4 were also analyzed using GlobalFiler Express on RapidHIT ID using INTEL sample cartridges. 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 performed on this test.
4J8MVM	NR = No Result
4PDFPH	This test was analyzed using modified Rapid DNA with an ANDE I-chip. The partial DNA profile from Item 3 matches Victim. The estimated frequency of this profile is one person in 17 sextillion random unrelated individuals based on the relevant [Location Identifying Populations]. This profile does not match Suspect. The male DNA profile from Item 4 matches Victim. The estimated frequency of this profile is one person in 260 octillion random unrelated individuals based on the relevant [Location Identifying Populations]. This profile does not match Suspect.
4TWDHE	NR=No Results. All items were analyzed using PowerPlex Fusion 5C. Item 1, 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 cartridges. Item 3 and Item 4 were also analyzed using GlobalFiler Express on RapidHIT ID using INTEL sample cartridges. 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 performed on this test.
69MXB8	STRmix analysis was conducted on this test.
7GWLP7	Test participant functions as Y-screen analyst and does not perform interpretations.
83AW6U	Possible elevated stutter in item 2 at D2S1338. Left in as possible tri-allele due to large discrepancy between observed and max expected stutter (9.7% and 10.1% for the first and second injections, respectively, vs. 4% expected). TL was consulted. Blank spaces in the STR results table indicate that results were not obtained at that locus. As both items 3 and 4 were complete single source profiles, STRmix was only run on item 3.
97NQJ7	NR= no DNA result

TABLE 5

WebCode	Additional Comments
9NTXX9	Item 1, Item 2, Item 3, and Item 4 were analyzed using PowerPlex Fusion 5C. Item 1, Item 3, and Item 4 were analyzed using YFiler Plus. Item 1 and Item 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridge. Item 3 and Item 4 were 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 4. NR=No Results.
A9V9H2	STRmix analysis was conducted on this test.
AHGAXC	NR = No Result
BPEL7D	NR=No Results
BQ7HV8	NR= No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
CBCC34	-STRmix analysis was conducted on this test. -The data reported out in this test is from analysis using GeneMapper ID-X. -NR=No results.
CGWDHG	Analyst is only competent in Known standard analysis. Therefore, no DNA testing of unknowns (including analysis and comparisons) was performed.
CZTX2M	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 1, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 1, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
DKW332	NR = No DNA results
ERPVNZ	NR = No Results
FMCC7J	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 1, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 1, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
HU64RH	Extraction: - Item 3 and Item 4 were extracted using Chelex Extraction. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit and carried out by QuantStudio 5 Real-Time PCR. Amplification: -Item 1 and Item 2 were amplified using Globalfiler Express PCR Amplification Kit on 9700 ABI GeneAmp PCR System. -Item 3 and Item 4 were amplified using Globalfiler PCR Amplification Kit on 9700 ABI GeneAmp PCR System. -Item 1, 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

TABLE 5

WebCode	Additional Comments
HX6FMH	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIA Symphony DNA Investigator Kit via QIA Symphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 1, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 1, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
JW8L2X	NR= No Results. STRmix analysis conducted on this test. All reported results are from Genemapper ID-X. Item 2 contained a reproducible minor 26 peak in n+4 position at locus D2S1338. The peak ranged in height from 5.6% to 11.9% of the 25 peak. This peak was high for an n+4 artifact. Possible tri-allele.
JZNUPX	NR=No Results. All items were analyzed using PowerPlex Fusion 5C. Item 1, 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 cartridges. Item 3 and Item 4 were also analyzed using GlobalFiler Express on RapidHIT ID using INTEL sample cartridges. 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 performed on this test.
LCA3ZV	NR = No Results. Data reported is from analysis using GeneMapper ID-x. STRmix analysis was performed on this test.
MAH7B2	NR = No Result
MBT9WZ	Item 2 at D2S1338 has potential tri-allele/extremely high n+4 stutter in the 26 allele bin. The peak was reproducible, however, will not be added to the allele table due to the locus being considered inconclusive. The two high peaks were added to the allele table even though the whole locus would be inconclusive for comparisons. Item 4 has additional peaks present at D3 and TH01 that are modeled as stutter and are not included in the allele table per our policy.
MNJ6YX	DNA analysis was performed using modified Rapid DNA with and ANDE I-chip (FlexPlex 27).
MQLZH2	NR=No Results
P6F7QM	STRmix analysis was conducted on this test.
PDVP92	NR = No Result
PNVFRM	STRmix analysis was conducted on this test. Items 3 and 4 were extracted via differential separation, per laboratory protocol. No DNA was detected in the sperm fractions for Items 3 and 4, so the report will reflect the non-sperm (epithelial) fractions only for Items 3 and 4. The sperm fractions were not processed past the quantification step for these items.
PQVNVX	n-8 stutter detected at D3S1358 for samples 3 and 4 was modeled as stutter and not included on the allele table.
Q9V26Y	NR = No Result
RJ9K2Z	NR=No Result
TDE3ZU	Any MAS peaks that were observed for items 3 and 4 were removed from this data sheet but remain labeled in the electronic data.
UDX79U	NR = No Result
UQJLCU	NR = No Results
UUHW8U	NR = No Results.
V9HXKV	NR = No Result

TABLE 5

WebCode	Additional Comments
VWT2KH	STRmix analysis was conducted on this test.
W3PDUK	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit via QIASymphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 1, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 1, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
W8K8RL	NR=No Results. All items were analyzed using PowerPlex Fusion 5C. Item 1, Item 3, and Item 4 were also analyzed using Yfiler Plus. Additionally, Item 1 and Item 2 were analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridges and Item 3 and Item 4 were analyzed using GlobalFiler Express on RapidHIT ID using INTEL sample cartridges. 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 performed on this test.
WUYVFC	Test participant functions as Y-screen technician and does not perform interpretations.
WVQQ46	Blank Spaces in the STR results table indicate that results were not obtained at that locus. Applied same LR to items 3 and 4 as both are single source profiles with same alleles.
WYCDWT	NR=No Result
Y2RM2B	Test participant functions as Y-screen analyst and does not perform interpretations.
YHBFPE	STRmix analysis was conducted on this test.
Z6K7HY	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit via QIASymphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 1, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 1, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.

-End of Report-
(Appendix may follow)

Test No. 24-5803: DNA-Blood

DATA MUST BE SUBMITTED BY **June 17, 2024, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: GRLUYK

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 homicide case involving a male victim and female suspect. The suspect was the last person seen leaving the victim's home, where the victim was found deceased. Police are submitting to your laboratory a stain from victim's couch pillow (Item 3) and a stain from the shirt the victim was wearing when found (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (couch pillow) is positive for blood, and Item 4 (victim's shirt) is positive for blood. Also collected were known blood samples from the male victim (Item 1) and the female suspect (Item 2).

Items Submitted (Sample Pack S3):

Item 1: Known blood from the male victim

Item 2: Known blood from the female suspect

Item 3: Questioned blood stain from victim's couch pillow (green)

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

Part I (continued): DNA Results for Known Item 2

- 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
2						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2						

Part I (continued): DNA Analysis - Additional DNA

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

Locus	Item 1	Item 2	Item 3	Item 4

Part II: DNA INTERPRETATION

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

<u>Victim (Item 1)</u>			<u>Suspect (Item 2)</u>		
	Item 3	Item 4		Item 3	Item 4
Yes	<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>	<input type="radio"/>
No	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>	<input type="radio"/>
Inconclusive	<input type="radio"/>	<input type="radio"/>	Inconclusive	<input type="radio"/>	<input type="radio"/>
No Interpretation	<input type="radio"/>	<input type="radio"/>	No Interpretation	<input type="radio"/>	<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 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 ANAB and/or A2LA. (Accreditation Release section below must be completed.)
- This participant's data is **not** intended for submission to 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.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)