



DNA-Blood Test No. 19-5803

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned bloodstains which they were requested to analyze using their existing protocols. Data were returned from 114 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1, 2, 3 and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Item 1 (75 μ l) and Item 4 (50 μ l) were created using blood collected from the same male donor. Item 2 (75 μ l) and Item 3 (50 μ l) were created using blood collected from the same 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, 2019 following receipt of predistribution results.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results

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	11,12	18,20	11,11	15,17	11,14	*
	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17	2	
2	15,16	18,23	10,11	15,16	10,13	*
	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NM	NM	NM	NM	
3	15,16	18,23	10,11	15,16	10,13	*
	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NM	NM	NM	NM	
4	11,12	18,20	11,11	15,17	11,14	*
	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	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	35,37	14	11,11	13	29	23	10	14	13
	14	12	12	18	30	16	17	11	22
	37	12	13	16	17	24	23	10	12
4	35,37	14	11,11	13	29	23	10	14	13
	14	12	12	18	30	16	17	11	22
	37	12	13	16	17	24	23	10	12

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

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

Summary Comments

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

Of the 114 participants that returned results, 95 reported DNA interpretations.

No participants reported allelic results that differed from consensus/predistribution results.

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

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

A total of 18 participants reported the use of probabilistic genotyping software. All but one of these participants reported the use of STRmix. This one remaining participant indicated the use of Lab Retriever.

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

26XNRN	PowerPlex® Fusion 6C					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9,9
		14,19	10	16	17	
<hr/>						
2APRQU	GlobalFiler™					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9,9
		14,19	10			2
<hr/>						
3MAW6U	GlobalFiler™					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9
		14,19	10			2
<hr/>						
3QAWDE	PowerPlex® Fusion 6C					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9,9
		14,19	10	16	17	
<hr/>						
68778U	PowerPlex® Fusion 6C, GlobalFiler™					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9,9
		14,19	10			2
<hr/>						
68VBWN	GlobalFiler™					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9,9
		14,19	10			2

TABLE 1

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

Item 1 - STR Results

6GGCDX	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
6HRBFU	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
6M3K73	NGM SElect (Not Applicable - single source profiles)					
	11,12	18,20	11,11	15,17		
1		12,14	13,16	18,18		11,13
	12,13	13,14	29,32.2	11,15	X,Y	
	21,24.2			31.2,32.2	9,9	
	14,19					
6RTVF2	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
6UKUVK	Identifiler®					
		18,20		15,17	11,14	
1	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
6WBV29	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
77A6L4	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 1 - STR Results

7QZ74L	GlobalFiler™					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9,9
		14,19	10			8,8
						2
7UGPW3	PowerPlex® Fusion 6C					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9,9
		14,19	10	16	17	8,8
7YBN7R	PowerPlex® Fusion					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14		9
		14,19	10			8
88L6FC	PowerPlex® Fusion 6C					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9
		14,19	10	16	17	8
8BLFCC	PowerPlex® Fusion 6C					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9,9
		14,19	10	16	17	8,8
8GBTDZ	PowerPlex® Fusion 6C					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9,9
		14,19	10	16	17	8,8
8XUU4W	PowerPlex® Fusion					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14		9
		14,19	10			8

TABLE 1

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

Item 1 - STR Results

A728ZH	PowerPlex® Fusion 5C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9,9	8,8
	14,19	10				
ACN7GH	PowerPlex® Fusion 6C (STRMIX)					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
AQM2R4	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
AUTDWK	Identifiler® Plus					
		18,20		15,17	11,14	
1	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
AYH22P	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
B4RHBE	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
BFLXZF	GlobalFiler™ Express					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	

TABLE 1

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

Item 1 - STR Results

BHBBUJ	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
BUMDFG	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
BWUZNF	PowerPlex® Fusion 6C					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
C3E8X8	Investigator® 24plex QS					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10				
C6JZPK	PowerPlex® Fusion 5C					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
C7BWEE	GlobalFiler™ Express					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
C88FBE	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 1 - STR Results

C9MGDG	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
CHN66D	PowerPlex® Fusion 6C					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
CLN86M	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
CM2W8Y	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
CYAJGW	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
CZ72MR	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
D4YGHT	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				

TABLE 1

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

Item 1 - STR Results

DA73BV	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
DKCVUN	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
DW7CJP	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
E2BJAT	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
ECRBTV	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
ENKUAM	PowerPlex® Fusion 6C, GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
ET2VVU	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 1 - STR Results

EX8VQW	Identifiler® Direct					
		18,20		15,17	11,14	
1	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
F4DT7F	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
F8QPGJ	PowerPlex® Fusion 6C, GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
G6NURE	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
GE7KYY	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
GNE9ZC	Identifiler® Plus					
		18,20		15,17	11,14	
1	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
GRURRT	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	

TABLE 1

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

Item 1 - STR Results

GWCRE2	GlobalFiler™ Express						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9,9	8,8
		14,19	10			2	
GZB7Y6	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17		
HDZBV9	GlobalFiler™						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9,9	8,8
		14,19	10			2	
J6W3CK	PowerPlex® Fusion						
		11,12	18,20	11	15,17	11,14	
	1	10,12	12,14	13,16	18	11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14		9	8
		14,19	10				
JDW7XB	GlobalFiler™						
		11,12	18,20	11	15,17	11,14	
	1	10,12	12,14	13,16	18	11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9	8
		14,19	10			2	
JRQLTB	PowerPlex® ESI Fast						
		11,12	18,20	11,11	15,17		
	1		12,14	13,16	18,18		11,13
		12,13	13,14	29,32.2	11,15	X,Y	
		21,24.2				9,9	
		14,19					
JVRYHA	GlobalFiler™						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9,9	8,8
		14,19	10			2	

TABLE 1

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

Item 1 - STR Results

JXUQGN	PowerPlex® Fusion 6C, GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
K3NV26	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
KB3YR6	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	N/A
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17	N/A	
KBDXTF	PowerPlex® Fusion 6C, GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
KNN48N	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
L4JTTC	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
LGWKZP	Identifiler® Direct					
		18,20		15,17	11,14	
1	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					

TABLE 1

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

Item 1 - STR Results

LQMX4W	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
LTEWHU	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
LYZU8G	Identifiler® Direct					
		18,20		15,17	11,14	
1	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
M4C7P4	PowerPlex® Fusion 6C					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
MNWWNC	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
NDVWN	Identifiler® Direct					
		18,20		15,17	11,14	
1	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
NKRQW8	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	

TABLE 1

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

Item 1 - STR Results

NVEVY6	GlobalFiler™						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9,9	8,8
		14,19	10			2	
PLK2AL	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17		
PPKADW	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17		
PRVZVD	GlobalFiler™						
		11,12	18,20	11	15,17	11,14	
	1	10,12	12,14	13,16	18	11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9	8
		14,19	10			2	
PYMUD4	GlobalFiler™						
		11,12	18,20	11,11	15,17	11,14	--
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	--	--	31.2,32.2	9,9	8,8
		14,19	10	--	--	2	
Q97N6Q	Identifiler® Plus						
			18,20		15,17	11,14	
	1	10,12	12,14			11,11	11,13
		12,13	13,14	29,32.2		X,Y	10,11
		21,24.2				9,9	8,8
		14,19					
QY446J	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	
	1	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17		

TABLE 1

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

Item 1 - STR Results

R294Q2	PowerPlex® 21					
	11,12	18,20		15,17	11,14	12,18
1	10,12	12,14		18,18	11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2	10,13	7,14		9,9	8,8
	14,19					
RYLG72	Investigator® 24plex					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10				
T96AV3	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
TAW9BL	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
TET7LY	Identifiler® Plus					
		18,20		15,17	11,14	
1	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
TRDLPX	PowerPlex® Fusion 6C					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
TUJXJT	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 1 - STR Results

TULPBA	Identifiler® Direct					
		18,20		15,17	11,14	
1	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
U2ZQAJ	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
UCGHV8	PowerPlex® Fusion 6C, GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
UPQ2NZ	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
UTJGJ2	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
UVAFZK	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
V23Q3W	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 1 - STR Results

V4WXP	GlobalFiler™					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9,9
		14,19	10			8,8
						2
VFDLZY	GlobalFiler™					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9,9
		14,19	10			8,8
						2
VKAC7B	PowerPlex® Fusion					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14		9
		14,19	10			8
VLZBMU	VeriFiler Express					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14		9,9
		14,19				8,8
						2
VRRH63	PowerPlex® Fusion					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14		9
		14,19	10			8
W2P2XG	PowerPlex® Fusion 6C					
		11,12	18,20	11,11	15,17	11,14
1		10,12	12,14	13,16	18,18	11,11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2	10,13	7,14	31.2,32.2	9,9
		14,19	10	16	17	8,8
WBDU68	GlobalFiler™					
		11,12	18,20	11	15,17	11,14
1		10,12	12,14	13,16	18	11
		12,13	13,14	29,32.2	11,15	X,Y
		21,24.2			31.2,32.2	9
		14,19	10			8
						2

TABLE 1

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

Item 1 - STR Results

WHL4TT	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
X9QA4A	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
XG4AQX	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
XQPUE3	Identifiler® Plus					
		18,20		15,17	11,14	
1	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
Y9KK9B	Identifiler® Direct					
		18,20		15,17	11,14	
1	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
YH7NFB	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
YW7PWW	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	

TABLE 1

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

Item 1 - STR Results

YYWNBG	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
ZHTHNR	PowerPlex® Fusion 6C					
	11,12	18,20	11	15,17	11,14	
1	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
ZYP288	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
1	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 2 - STR Results

26XNRN	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR		
2APRQU	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
3MAW6U	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18	No Results			No Results	
3QAWDE	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
68778U	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not Detected			Not Detected	
68VBWN	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
6GGCDX	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

6HRBFU	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
6M3K73	NGM SElect (Not Applicable - single source profiles)					
	15,16	18,23	10,11	15,16		
2		14,16	14,15	18,19		10,11
	13,16	13,14	29,30.2	14,16	X,X	
	22,23			23.2,27.2	6,6	
	14,18					
6RTVF2	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
6UKUVK	Identifiler®					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23				6,6	8,11
	14,18					
6WBV29	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
77A6L4	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
7QZ74L	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

7UGPW3	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
7YBN7R	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
88L6FC	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
8BLFCC	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
8GBTDZ	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
8XUU4W	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
A728ZH	PowerPlex® Fusion 5C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16		6,6	8,11
	14,18	ND				

TABLE 1

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

Item 2 - STR Results

ACN7GH	PowerPlex® Fusion 6C (STRMIX)					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
AQM2R4	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
AUTDWK	Identifiler® Plus					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11,11
	22,23				6,6	8,11
	14,18					
AYH22P	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
B4RHBE	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	NR			NR	
BFLXZF	GlobalFiler™ Express					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
BHBBUJ	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

BUMDFG	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
BWUZNF	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
C3E8X8	Investigator® 24plex QS					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
C6JZPK	PowerPlex® Fusion 5C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18					
C7BWEE	GlobalFiler™ Express					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
C88FBE	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR		
C9MGDG	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

CHN66D	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
CLN86M	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
CM2W8Y	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
CYAJGW	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
CZ72MR	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
D4YGHT	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
DA73BV	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

DKCVUN	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
DW7CJP	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
E2BJAT	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
ECRBTV	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
ENKUAM	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected	
ET2VWU	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
EX8VQW	Identifiler® Direct					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

F4DT7F	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18	No results			No results	
F8QPGJ	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected	
G6NURE	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18	No Result			No Result	
GE7KYY	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
GNE9ZC	Identifiler® Plus					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11,11
	22,23				6,6	8,11
	14,18					
GRURRT	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
GWCRE2	GlobalFiler™ Express					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

GZB7Y6	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
HDZBV9	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
J6W3CK	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
JDW7XB	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
JRQLTB	PowerPlex® ESI Fast					
	15,16	18,23	10,11	15,16		
2		14,16	14,15	18,19		10,11
	13,16	13,14	29,30.2	14,16	X,X	
	22,23				6,6	
	14,18					
JVRYHA	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
JXUQGN	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

K3NV26	GlobalFiler™						
		15,16	18,23	10,11	15,16	10,13	
	2	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23			23.2,27.2	6,6	8,11
	14,18						
KB3YR6	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	N/A
	2	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR	N/A		
KBDXTF	PowerPlex® Fusion 6C, GlobalFiler™						
		15,16	18,23	10,11	15,16	10,13	
	2	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected		
KNN48N	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	
	2	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18						
L4JTC	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	
	2	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR			
LGWKZP	Identifiler® Direct						
			18,23		15,16	10,13	
	2	7,10	14,16			11,13	10,11
		13,16	13,14	29,30.2		X,X	11
		22,23				6	8,11
	14,18						
LQMX4W	GlobalFiler™						
		15,16	18,23	10,11	15,16	10,13	
	2	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X	11
		22,23			23.2,27.2	6	8,11
	14,18						

TABLE 1

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

Item 2 - STR Results

LTEWHU	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
LYZU8G	Identifiler® Direct					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					
M4C7P4	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
MNWYNC	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
NDVWWN	Identifiler® Direct					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					
NKRQW8	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
NVEVY6	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

PLK2AL	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
PPKADW	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
PRVZVD	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
PYMUD4	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	--
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	--	--	23.2,27.2	6,6	8,11
	14,18	--	--	--	--	--
Q97N6Q	Identifiler® Plus					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23				6,6	8,11
	14,18					
QY446J	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
R294Q2	PowerPlex® 21					
	15,16	18,23		15,16	10,13	11,19
2	7,10	14,16		18,19	11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23	11,12	12,16		6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

RYLG72	Investigator® 24plex					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
T96AV3	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
TAW9BL	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
TET7LY	Identifiler® Plus					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23				6,6	8,11
	14,18					
TRDLPX	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
TUJXJT	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
TULPBA	Identifiler® Direct					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

U2ZQAJ	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
UCGHV8	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected	
UPQ2NZ	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
UTJGJ2	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
UVAFZK	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
V23Q3W	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR		
V4WXP	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

VFDLZY	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
VKAC7B	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
VLZBMU	VeriFiler Express					
	15,16	18,23	10,11	15,16	10,13	11,19
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16		6,6	8,11
	14,18					
VRRH63	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	N/R				
W2P2XG	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
WBDU68	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
WHL4TT	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	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

X9QA4A	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23,2,27.2	6,6	8,11
	14,18					
XG4AQX	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23,2,27.2	6	8,11
	14,18	No Results			No Results	
XQPUE3	Identifiler® Plus					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23				6,6	8,11
	14,18					
Y9KK9B	Identifiler® Direct					
		18,23		15,16	10,13	
2	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					
YH7NFB	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23,2,27.2	6,6	8,11
	14,18					
YW7PWW	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23,2,27.2	6,6	8,11
	14,18					
YYWNBG	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23,2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 2 - STR Results

ZHTHNR	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
ZYP288	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
2	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

2APRQU	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
3MAW6U	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18	No Results			No Results	
3QAWDE	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
68778U	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not Detected			Not Detected	
68VBWN	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
6GGCDX	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
6HRBFU	Investigator® 24plex					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

6M3K73	NGM SElect (Not Applicable - single source profiles)					
	15,16	18,23	10,11	15,16		
3		14,16	14,15	18,19		10,11
	13,16	13,14	29,30.2	14,16	X,X	
	22,23			23.2,27.2	6,6	
	14,18					
6RTVF2	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
6WBV29	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
77A6L4	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
7QZ74L	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
7UGPW3	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
7YBN7R	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	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 3 - STR Results

88L6FC	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
8GBTDZ	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
8XUU4W	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
A728ZH	PowerPlex® Fusion 5C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16		6,6	8,11
	14,18	ND				
ACN7GH	PowerPlex® Fusion 6C (STRMIX)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
AQM2R4	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
AUTDWK	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11,11
	22,23				6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

AYH22P	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
B4RHBE	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	NR			NR	
BFLXZF	GlobalFiler™ Express					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
BHBBUJ	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
BUMDFG	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
BWUZNF	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
C3E8X8	Investigator® 24plex QS					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

C6JZPK	PowerPlex® Fusion 5C						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X	11
		22,23	11,12	12,16		6	8,11
	14,18						
C7BWEE	GlobalFiler™ Express						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	XX	11,11
		22,23			23.2,27.2	6,6	8,11
	14,18						
C88FBE	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	XX	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR			
C9MGDG	PowerPlex® Fusion 6C (STRmix)						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X	11
		22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18						
CHN66D	PowerPlex® Fusion 6C (STRmix)						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X	11
		22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18						
CLN86M	PowerPlex® Fusion 6C (STRmix)						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	XX	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18						
CM2W8Y	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	XX	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18						

TABLE 1

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

Item 3 - STR Results

CYAJGW	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
CZ72MR	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
D4YGHT	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
DA73BV	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
DKCVUN	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
DW7CJP	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
E2BJAT	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

ECRBTV	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
ENKUAM	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected	
ET2VVU	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
EX8VQW	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					
F8QPGJ	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected	
GE7KYY	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
GNE9ZC	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23				6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

GRURRT	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
GWCRE2	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
HDZBV9	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
J6W3CK	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
JRQLTB	PowerPlex® ESI Fast					
	15,16	18,23	10,11	15,16		
3		14,16	14,15	18,19		10,11
	13,16	13,14	29,30.2	14,16	X,X	
	22,23				6,6	
	14,18					
JVRYHA	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
JXUQGN	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

K3NV26	GlobalFiler™						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23			23.2,27.2	6,6	8,11
		14,18					
KB3YR6	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	N/A
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
		14,18	NR	NR	NR	N/A	
KBDXTF	GlobalFiler™						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23			23.2,27.2	6,6	8,11
		14,18	Not detected			Not detected	
KNN48N	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
		14,18					
L4JTC	PowerPlex® Fusion 6C						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X,X	11,11
		22,23	11,12	12,16	23.2,27.2	6,6	8,11
		14,18	NR	NR	NR		
LGWKZP	Identifiler® Plus						
			18,23		15,16	10,13	
	3	7,10	14,16			11,13	10,11
		13,16	13,14	29,30.2		X,X	11
		22,23				6	8,11
		14,18					
LQMX4W	GlobalFiler™						
		15,16	18,23	10,11	15,16	10,13	
	3	7,10	14,16	14,15	18,19	11,13	10,11
		13,16	13,14	29,30.2	14,16	X	11
		22,23			23.2,27.2	6	8,11
		14,18					

TABLE 1

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

Item 3 - STR Results

LTEWHU	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
LYZU8G	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					
M4C7P4	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
MNWYNC	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
NDVWWN	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11
	22,23				6	8,11
	14,18					
NKRQW8	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
NVEVY6	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

PLK2AL	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23,2,27.2	6,6	8,11
	14,18					
PRVZVD	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23,2,27.2	6	8,11
	14,18					
PYMUD4	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	--
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	--	--	23,2,27.2	6,6	8,11
	14,18	--	--	--	--	
Q97N6Q	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23				6,6	8,11
	14,18					
QY446J	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23,2,27.2	6,6	8,11
	14,18					
R294Q2	PowerPlex® 21 (STRmix 2.6)					
	15,16	18,23		15,16	10,13	11,19
3	7,10	14,16		18,19	11,13	10,11
	13,16	13,14	29,30.2		X,X	11,11
	22,23	11,12	12,16		6,6	8,11
	14,18					
RYLG72	Investigator® 24plex					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23,2,27.2	6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

T96AV3	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
TAW9BL	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
TET7LY	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11,11
	22,23				6,6	8,11
	14,18					
TRDLPX	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
TULPBA	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11
	22,23				6	8,11
	14,18					
UCGHV8	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18	Not detected			Not detected	
UPQ2NZ	GlobalFiler™ (STRmix)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

UTJGJ2	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
UVAFZK	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
V23Q3W	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR		
V4WXPD	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
VFDLZY	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
VKAC7B	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	NR				
VLZBMU	VeriFiler Express					
	15,16	18,23	10,11	15,16	10,13	11,19
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16		6,6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

VRRH63	PowerPlex® Fusion					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16		6	8,11
	14,18	N/R				
W2P2XG	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
WBDU68	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23			23.2,27.2	6	8,11
	14,18					
WHL4TT	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18	NR	NR	NR		
X9QA4A	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	XX	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
XQPUE3	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11,11
	22,23				6,6	8,11
	14,18					
Y9KK9B	Identifiler® Plus					
		18,23		15,16	10,13	
3	7,10	14,16			11,13	10,11
	13,16	13,14	29,30.2		XX	11
	22,23				6	8,11
	14,18					

TABLE 1

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

Item 3 - STR Results

YH7NFB	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
YW7PWV	GlobalFiler™					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23			23.2,27.2	6,6	8,11
	14,18					
YYWNBG	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					
ZHTHNR	PowerPlex® Fusion 6C (Lab Retriever)					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X	11
	22,23	11,12	12,16	23.2,27.2	6	8,11
	14,18					
ZYP288	PowerPlex® Fusion 6C					
	15,16	18,23	10,11	15,16	10,13	
3	7,10	14,16	14,15	18,19	11,13	10,11
	13,16	13,14	29,30.2	14,16	X,X	11,11
	22,23	11,12	12,16	23.2,27.2	6,6	8,11
	14,18					

TABLE 1

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

Item 4 - STR Results

2APRQU	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
3MAW6U	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
3QAWDE	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
68778U	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
68VBWN	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
6GGCDX	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
6HRBFU	Investigator® 24plex					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10				

TABLE 1

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

Item 4 - STR Results

6M3K73	NGM SElect (Not Applicable - single source profiles)					
	11,12	18,20	11,11	15,17		
4		12,14	13,16	18,18		11,13
	12,13	13,14	29,32.2	11,15	X,Y	
	21,24.2			31.2,32.2	9,9	
	14,19					
6RTVF2	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
6WBV29	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
77A6L4	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
7QZ74L	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
7UGPW3	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
7YBN7R	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				

TABLE 1

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

Item 4 - STR Results

88L6FC	PowerPlex® Fusion 6C					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
8GBTDZ	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
8XUU4W	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
A728ZH	PowerPlex® Fusion 5C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9,9	8,8
	14,19	10				
ACN7GH	PowerPlex® Fusion 6C (STRMIX)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
AQM2R4	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
AUTDWK	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					

TABLE 1

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

Item 4 - STR Results

AYH22P	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
B4RHBE	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
BFLXZF	GlobalFiler™ Express					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
BHBBUJ	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
BUMDFG	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
BWUZNF	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
C3E8X8	Investigator® 24plex QS					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10				

TABLE 1

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

Item 4 - STR Results

C6JZPK	PowerPlex® Fusion 5C					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
C7BWEE	GlobalFiler™ Express					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
C88FBE	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
C9MGDG	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
CHN66D	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
CLN86M	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
CM2W8Y	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 4 - STR Results

CYAJGW	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
CZ72MR	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
D4YGHT	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
DA73BV	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
DKCVUN	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
DW7CJP	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
E2BJAT	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 4 - STR Results

ECRBTV	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
ENKUAM	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
ET2VVU	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
EX8VQW	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
F8QPGJ	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
GE7KYY	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
GNE9ZC	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					

TABLE 1

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

Item 4 - STR Results

GRURRT	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
GWCRES2	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
HDZBV9	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
J6W3CK	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
JRQLTB	PowerPlex® ESI Fast					
	11,12	18,20	11,11	15,17		
4		12,14	13,16	18,18		11,13
	12,13	13,14	29,32.2	11,15	X,Y	
	21,24.2				9,9	
	14,19					
JVRYHA	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
JXUQGN	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

TABLE 1

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

Item 4 - STR Results

K3NV26	GlobalFiler™						
		11,12	18,20	11,11	15,17	11,14	
	4	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9,9	8,8
		14,19	10			2	
KB3YR6	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	N/A
	4	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17	N/A	
KBDXTF	GlobalFiler™						
		11,12	18,20	11,11	15,17	11,14	
	4	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9,9	8,8
		14,19	10			2	
KNN48N	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	
	4	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17		
L4JTC	PowerPlex® Fusion 6C						
		11,12	18,20	11,11	15,17	11,14	
	4	10,12	12,14	13,16	18,18	11,11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
		14,19	10	16	17		
LGWKZP	Identifiler® Plus						
			18,20		15,17	11,14	
	4	10,12	12,14			11	11,13
		12,13	13,14	29,32.2		X,Y	10,11
		21,24.2				9	8
		14,19					
LQMX4W	GlobalFiler™						
		11,12	18,20	11	15,17	11,14	
	4	10,12	12,14	13,16	18	11	11,13
		12,13	13,14	29,32.2	11,15	X,Y	10,11
		21,24.2			31.2,32.2	9	8
		14,19	10			2	

TABLE 1

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

Item 4 - STR Results

LTEWHU	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
LYZU8G	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
M4C7P4	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
MNWYNC	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
NDVWWN	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
NKRQW8	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
NVEVY6	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	

TABLE 1

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

Item 4 - STR Results

PLK2AL	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
PRVZVD	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
PYMUD4	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	--
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	--	--	31.2,32.2	9,9	8,8
	14,19	10	--	--	2	
Q97N6Q	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
QY446J	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
R294Q2	PowerPlex® 21 (STRmix 2.6)					
	11,12	18,20		15,17	11,14	12,18
4	10,12	12,14		18,18	11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2	10,13	7,14		9,9	8,8
	14,19					
RYLG72	Investigator® 24plex					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10				

TABLE 1

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

Item 4 - STR Results

T96AV3	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
TAW9BL	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
TET7LY	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
TRDLPX	PowerPlex® Fusion 6C (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
TULPBA	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					
UCGHV8	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
UPQ2NZ	GlobalFiler™ (STRmix)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	

TABLE 1

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

Item 4 - STR Results

UTJGJ2	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
UVAFZK	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
V23Q3W	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
V4WXPB	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
VFDLZY	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
VKAC7B	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
VLZBMU	VeriFiler Express					
	11,12	18,20	11,11	15,17	11,14	12,18
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9,9	8,8
	14,19				2	

TABLE 1

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

VRRH63	PowerPlex® Fusion					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14		9	8
	14,19	10				
W2P2XG	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
WBDU68	GlobalFiler™					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9	8
	14,19	10			2	
WHL4TT	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
X9QA4A	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
XQPUE3	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11,11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9,9	8,8
	14,19					
Y9KK9B	Identifiler® Plus					
		18,20		15,17	11,14	
4	10,12	12,14			11	11,13
	12,13	13,14	29,32.2		X,Y	10,11
	21,24.2				9	8
	14,19					

TABLE 1

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

Item 4 - STR Results

YH7NFB	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
YW7PWW	GlobalFiler™					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2			31.2,32.2	9,9	8,8
	14,19	10			2	
YYWNBG	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		
ZHTHNR	PowerPlex® Fusion 6C (Lab Retriever)					
	11,12	18,20	11	15,17	11,14	
4	10,12	12,14	13,16	18	11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9	8
	14,19	10	16	17		
ZYP288	PowerPlex® Fusion 6C					
	11,12	18,20	11,11	15,17	11,14	
4	10,12	12,14	13,16	18,18	11,11	11,13
	12,13	13,14	29,32.2	11,15	X,Y	10,11
	21,24.2	10,13	7,14	31.2,32.2	9,9	8,8
	14,19	10	16	17		

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										
26XNRN	Yfiler™		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
3MAW6U	PowerPlex® Y 23		14	11	13	29	23	10	14	13
1		14	12	12	18		16	17		22
			12	13	16	17		23	10	12
3QAWDE	Yfiler™		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
68778U	PowerPlex® Y 23		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		22
			12	13	16	17		23	10	12
68VBWN	Yfiler™		14	11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
6M3K73	PowerPlex® Y 23		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		22
			12	13	16	17		23	10	12
6RTVF2	Yfiler™ Plus	35,37	14	11	13	29	23	10	14	13
1		14	12	12	18	30	16	17	11	22
		37	12		16	17	24	23		12
6WBV29	Yfiler™		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
77A6L4	Yfiler™		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
7QZ74L	Yfiler™		14	11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
7UGPW3	Yfiler™		14	11,11	13	29	23	10	14	13
1		14	12	12	18		16	17		
								23		12
7YBN7R	Yfiler™ Plus	35,37	14	11	13	29	23	10	14	13
1		14	12	12	18	30	16	17	11	22
		37	12		16	17	24	23		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
88L6FC	PowerPlex® Y 23									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
8GBTDZ	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23		12	
8XUU4W	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
A728ZH	PowerPlex® Y Y23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
AQM2R4	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23		12	
AUTDWK	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
AYH22P	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
B4RHBE	Yfiler™ Plus									
	35,37	14	11,11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
C6JZPK	Yfiler™									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23		12	
C88FBE	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23		12	
CHN66D	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23		12	
CLN86M	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
CM2W8Y	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
CYAJGW	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
D4YGHT	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23			12
DA73BV	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
DKCVUN	PowerPlex® Y Y23									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
DW7CJP	PowerPlex® Y 23									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
E2BJAT	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
ENKUAM	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
ET2WU	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
EX8VQW	Yfiler™									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
F8QPGJ	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
GE7KYY	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
GNE9ZC	PowerPlex® Y 23									
1	14	12	11,11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
	12	13	16	17						
HDZBV9	Yfiler™									
1	14	12	11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
J6W3CK	Yfiler™ Plus									
1	35,37	14	11	13	29	23	10	14	13	
	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
JRQLTB	Yfiler™ Plus									
1	35,37	14	11	13	29	23	10	14	13	
	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
JVRYHA	Yfiler™									
1	14	12	11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
JXUQGN	Yfiler™									
1	14	12	11,11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
KB3YR6	Yfiler™									
1	N/A	14	11,11	13	29	23	10	14	13	
	14	12	12	18	N/A	16	17	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	
KBDXTF	PowerPlex® Y 23									
1	14	12	11,11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
	12	13	16	17						
KNN48N	Yfiler™									
1	14	12	11,11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
L4JTTC	Yfiler™									
1	14	12	11,11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
LGWKZP	Yfiler™									
1	14	12	11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	
LTEWHU	Yfiler™									
1	14	12	11,11	13	29	23	10	14	13	
	14	12	12	18	16	17	23	10	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
LYZU8G	Yfiler™									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
M4C7P4	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
MNWWNC	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
NDVWWN	Yfiler™									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
PLK2AL	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
Q97N6Q	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
QY446J	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
RYLG72	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11		22
	37	12		16	17	24	23			12
TAW9BL	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
TULPBA	Yfiler™									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
UCGHV8	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			22
		12	13	16	17		23	10		12
UVAFZK	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 1 - YSTR Results										
V23Q3W	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
VKAC7B	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23			12
VLZBMU	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23			12
VRRH63	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
1	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23			12
W2P2XG	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
WHL4TT	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
X9QA4A	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
Y9KK9B	Yfiler™									
		14	11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
YH7NFB	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
YYWNBG	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12
ZYP288	Yfiler™									
		14	11,11	13	29	23	10	14	13	
1	14	12	12	18		16	17			
							23			12

TABLE 2

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

Item 2 - YSTR Results

68VBWN	Yfiler™								
2									
7QZ74L	Yfiler™								
2									
A728ZH	PowerPlex® Y Y23								
2		ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND	ND	ND
EX8VQW	Yfiler™								
2		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
HDZBV9	Yfiler™								
2									
JVRYHA	Yfiler™								
2									
LYZU8G	Yfiler™								
2		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
NDVWN	Yfiler™								
2		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
TULPBA	Yfiler™								
2		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

TABLE 2

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

Item 3 - YSTR Results

68VBWN	Yfiler™									
3										
6RTVF2	Yfiler™ Plus									
	NR	NR	NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR		NR	NR	NR	NR		NR	
6WBV29	Yfiler™		NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR		NR	NR		NR	
							NR		NR	
7QZ74L	Yfiler™									
3										
7UGPW3	Yfiler™		NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR		NR	NR		NR	
							NR		NR	
7YBN7R	Yfiler™ Plus									
	NR	NR	NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR		NR	NR	NR	NR		NR	
8XUU4W	Yfiler™ Plus									
	NR	NR	NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR		NR	NR	NR	NR		NR	
A728ZH	PowerPlex® Y Y23									
		ND	ND	ND	ND	ND	ND	ND	ND	
3	ND	ND	ND	ND		ND	ND		ND	
		ND	ND	ND	ND		ND	ND	ND	
AQM2R4	Yfiler™		NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR		NR	NR		NR	
							NR		NR	
CYAJGW	Yfiler™		NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR		NR	NR		NR	
							NR		NR	
D4YGHT	Yfiler™ Plus									
	NR	NR	NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR		NR	NR	NR	NR		NR	
ET2WVU	Yfiler™		NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR		NR	NR		NR	
							NR		NR	

TABLE 2

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

Item 3 - YSTR Results

GE7KYY	Yfiler™								
		NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
							NR		NR
HDZBV9	Yfiler™								
3									
J6W3CK	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
JVRYHA	Yfiler™								
3									
QY446J	Yfiler™								
		NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
							NR		NR
VKAC7B	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
VRRH63									
	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
3	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
	N/R	N/R		N/R	N/R	N/R	N/R		N/R
Y9KK9B	Yfiler™								
		-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
									-
YH7NFB	Yfiler™								
		NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
							NR		NR

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
3MAW6U	PowerPlex® Y 23									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
3QAWDE	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
68778U	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
68VBWN	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
6M3K73	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
6RTVF2	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
6WBV29	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
77A6L4	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
7QZ74L	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
7UGPW3	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
7YBN7R	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
88L6FC	PowerPlex® Y 23									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
8GBTDZ	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
8XUU4W	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
A728ZH	PowerPlex® Y Y23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
AQM2R4	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
AUTDWK	PowerPlex® Y Y23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
AYH22P	PowerPlex® Y Y23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
B4RHBE	Yfiler™ Plus									
	35,37	14	11,11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
C6JZPK	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
C88FBE	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
CHN66D	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
CLN86M	PowerPlex® Y Y23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
CM2W8Y	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	

TABLE 2

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

Item 4 - YSTR Results

CYAJGW	Yfiler™								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		
							23		12
D4YGHT	Yfiler™ Plus								
	35,37	14	11	13	29	23	10	14	13
4		14	12	12	18	30	16	17	11
	37	12		16	17	24	23		12
DA73BV	Yfiler™								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		
							23		12
DKCVUN	PowerPlex® Y Y23								
		14	11	13	29	23	10	14	13
4		14	12	12	18	16	17		22
		12	13	16	17		23	10	12
DW7CJP	PowerPlex® Y 23								
		14	11	13	29	23	10	14	13
4		14	12	12	18	16	17		22
		12	13	16	17		23	10	12
E2BJAT	Yfiler™								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		
							23		12
ENKUAM	PowerPlex® Y 23								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		22
		12	13	16	17		23	10	12
ET2WU	Yfiler™								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		
							23		12
EX8VQW	Yfiler™								
		14	11	13	29	23	10	14	13
4		14	12	12	18	16	17		
							23		12
F8QPGJ	PowerPlex® Y 23								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		22
		12	13	16	17		23	10	12
GE7KYY	Yfiler™								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		
							23		12
GNE9ZC	PowerPlex® Y 23								
		14	11,11	13	29	23	10	14	13
4		14	12	12	18	16	17		22
		12	13	16	17		23	10	12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
HDZBV9	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
J6W3CK	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
JRQLTB	Yfiler™ Pluse									
	35,37	14	11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23		12	
JVRYHA	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
JXUQGN	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
KB3YR6	Yfiler™									
	N/A	14	11,11	13	29	23	10	14	13	
4	14	12	12	18	N/A	16	17	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	
KBDXTF	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
KNN48N	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
L4JTTC	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
LGWKZP	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
LTEWHU	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	
LYZU8G	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23		12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 4 - YSTR Results										
M4C7P4	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
MNWFNC	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
NDVWN	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
PLK2AL	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
Q97N6Q	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
QY446J	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
RYLG72	Yfiler™ Plus									
	35,37	14	11	13	29	23	10	14	13	
4	14	12	12	18	30	16	17	11	22	
	37	12		16	17	24	23			12
TAW9BL	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
TULPBA	Yfiler™									
		14	11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
UCGHV8	PowerPlex® Y 23									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17		22	
		12	13	16	17		23	10	12	
UVAFZK	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12
V23Q3W	Yfiler™									
		14	11,11	13	29	23	10	14	13	
4	14	12	12	18		16	17			
							23			12

TABLE 2

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

Item 4 - YSTR Results

VKAC7B	Yfiler™ Plus								
	35,37	14	11	13	29	23	10	14	13
	4	14	12	12	18	30	16	17	11
	37	12		16	17	24	23		12
VLZBMU	Yfiler™ Plus								
	35,37	14	11	13	29	23	10	14	13
	4	14	12	12	18	30	16	17	11
	37	12		16	17	24	23		12
VRRH63	Yfiler™ Plus								
	35,37	14	11	13	29	23	10	14	13
	4	14	12	12	18	30	16	17	11
	37	12		16	17	24	23		12
W2P2XG	Yfiler™								
		14	11,11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	
WHL4TT	Yfiler™								
		14	11,11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	
X9QA4A	Yfiler™								
		14	11,11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	
Y9KK9B	Yfiler™								
		14	11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	
YH7NFB	Yfiler™								
		14	11,11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	
YYWNBG	Yfiler™								
		14	11,11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	
ZYP288	Yfiler™								
		14	11,11	13	29	23	10	14	13
	4	14	12	12	18	16	17		
						23		12	

Additional DNA Results

TABLE 3

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 for release.

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
26XNRN	No Interpretations Reported, DNA Analyzed for Database purposes only.				8BLFCC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2APRQU	No	Yes	Yes	No	8GBTDZ	No	Yes	Yes	No
3MAW6U	No	Yes	Yes	No	8XUU4W	No	Yes	Yes	No
3QAWDE	No	Yes	Yes	No	A728ZH	No	Yes	Yes	No
68778U	No	Yes	Yes	No	ACN7GH	No	Yes	Yes	No
68VBWN	No Interpretations Reported, DNA Analyzed for Database purposes only.				AQM2R4	No	Yes	Yes	No
6GGCDX	No	Yes	Yes	No	AUTDWK	No	Yes	Yes	No
6HRBFU	No	Yes	Yes	No	AYH22P	No	Yes	Yes	No
6M3K73	No	Yes	Yes	No	B4RHBE	No	Yes	Yes	No
6RTVF2	No	Yes	Yes	No	BFLXZF	No	Yes	Yes	No
6UKUVK					BHBBUJ	No	Yes	Yes	No
6WBV29	No	Yes	Yes	No	BUMDFG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
77A6L4	No	Yes	Yes	No	BWUZNF	No	Yes	Yes	No
7QZ74L	No Interpretations Reported, DNA Analyzed for Database purposes only.				C3E8X8	No	Yes	Yes	No
7UGPW3	No	Yes	Yes	No	C6JZPK	No	Yes	Yes	No
7YBN7R	No	Yes	Yes	No	C7BWEE	No	Yes	Yes	No
88L6FC	No	Yes	Yes	No	C88FBE	No	Yes	Yes	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
C9MGDG	No	Yes	Yes	No	GE7KYY	No	Yes	Yes	No
CHN66D	No	Yes	Yes	No	GNE9ZC	No	Yes	Yes	No
CLN86M	No	Yes	Yes	No	GRURRT	No	Yes	Yes	No
CM2W8Y	No	Yes	Yes	No	GWCRE2	No	Yes	Yes	No
CYAJGW	No	Yes	Yes	No	GZB7Y6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
CZ72MR	No	Yes	Yes	No	HDZBV9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D4YGHT	No	Yes	Yes	No	J6W3CK	No	Yes	Yes	No
DA73BV	No	Yes	Yes	No	JDW7XB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DKCVUN	No	Yes	Yes	No	JRQLTB	No	Yes	Yes	No
DW7CJP	No	Yes	Yes	No	JVRYHA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E2BJAT	No	Yes	Yes	No	JXUQGN	No	Yes	Yes	No
ECRBTV	No	Yes	Yes	No	K3NV26	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ENKUAM	No	Yes	Yes	No	KB3YR6	No	Yes	Yes	No
ET2WVU	No	Yes	Yes	No	KBDXTF	No	Yes	Yes	No
EX8VQW	No	Yes	Yes	No	KNN48N	No	Yes	Yes	No
F4DT7F	No Interpretations Reported, DNA Analyzed for Database purposes only.				L4JTTC	No	Yes	Yes	No
F8QPGJ	No	Yes	Yes	No	LGWKZP	No	Yes	Yes	No
G6NURE	No Interpretations Reported, DNA Analyzed for Database purposes only.				LQMX4W	No	Yes	Yes	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LTEWHU	No	Yes	Yes	No	TRDLPX	No	Yes	Yes	No
LYZU8G	No	Yes	Yes	No	TUJXJT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
M4C7P4	No	Yes	Yes	No	TULPBA	No	Yes	Yes	No
MNWYNC	No	Yes	Yes	No	U2ZQAJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NDVWWN	No	Yes	Yes	No	UCGHV8	No	Yes	Yes	No
NKRQW8	No	Yes	Yes	No	UPQ2NZ	No	Yes	Yes	No
NVEVY6	No Interpretations Reported, DNA Analyzed for Database purposes only.				UTJGJ2	No Interp	No Interp	No Interp	No Interp
PLK2AL	No	Yes	Yes	No	UVAFZK	No	Yes	Yes	No
PPKADW	No Interpretations Reported, DNA Analyzed for Database purposes only.				V23Q3W	No	Yes	Yes	No
PRVZVD	No	Yes	Yes	No	V4WXPB	No	Yes	Yes	No
PYMUD4	No	Yes	Yes	No	VFDLZY	No	Yes	Yes	No
Q97N6Q	No	Yes	Yes	No	VKAC7B	No	Yes	Yes	No
QY446J	No	Yes	Yes	No	VLZBMU	No	Yes	Yes	No
R294Q2	No	Yes	Yes	No	VRRH63	No	Yes	Yes	No
RYLG72	No	Yes	Yes	No	W2P2XG	No	Yes	Yes	No
T96AV3	No	Yes	Yes	No	WBDU68	No	Yes	Yes	No
TAW9BL	No	Yes	Yes	No	WHL4TT	No	Yes	Yes	No
TET7LY	No	Yes	Yes	No	X9QA4A	No	Yes	Yes	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
XG4AQX	No Interpretations Reported, DNA Analyzed for Database purposes only.								
XQPUE3	No	Yes	Yes	No					
Y9KK9B	No	Yes	Yes	No					
YH7NFB	No	Yes	Yes	No					
YW7PVW	No	Yes	Yes	No					
YYWNBG	No	Yes	Yes	No					
ZHTHNR	No	Yes	Yes	No					
ZYP288	No	Yes	Yes	No					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 114		
<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)	
		Item 3	Item 4	Item 3	Item 4
Yes		0	95	95	0
No		95	0	0	95
Inc		0	0	0	0
No Interpretation		1	1	1	1
No Response		1	1	1	1

Participants analyzing DNA for database purposes only: 17

Additional Comments

TABLE 5

WebCode	Additional Comments
26XNRN	NR = No Result
68778U	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
6HRBFU	The DNA profile obtained from item 1 (blood victim) is different to the DNA profile obtained from item 3 (unknown blood on rug). This result demonstrates that the DNA profile obtained from the blood stain on rug doesn't come from the victim. The DNA profile obtained from item 1 (blood victim) is the same as the DNA profile obtained from item 4 (unknown blood on shirt). The random match probability of this genotype is < 1E-9. The DNA profile obtained from item 2 (blood suspect) is the same as the DNA profile obtained from item 3 (unknown blood on rug). The random match probability of this genotype is < 1E-9. The DNA profile obtained from item 2 (blood suspect) is different to the DNA profile obtained from item 4 (unknown blood on shirt). This result demonstrates that the DNA profile obtained from the blood stain on shirt doesn't come from the suspect.
6RTVF2	NR=no results
6UKUVK	Criminal DNA Database based on reference sample examination therefore, Item 3 and item 4 not examined in the criminal DNA database.
6WBV29	NR = No Results
7UGPW3	NR = No reaction
7YBN7R	NR = No Results
8XUU4W	NR = No Results
AQM2R4	NR = No reaction
C88FBE	NR = No Results
CYAJGW	NR= No Reaction
D4YGHT	NR = no results
ENKUAM	Item 1 and Item 2 - GlobalFiler and PowerPlex Fusion 6C. Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
ET2WVU	NR = no reaction
EX8VQW	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using DNA IQ on TECAN FREEDOM EVO 150. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using AmpFLSTR Identifiler Direct PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2 and Item 4 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
F8QPGJ	Item 1 and Item 2 - GlobalFiler and PowerPlex Fusion 6C. Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
GE7KYY	NR = No Reaction
J6W3CK	NR = No Results
JDW7XB	Competent in known standard DNA analysis only.
KBDXTF	For Item 1 and 2, results were entered for GlobalFiler loci only as casework reporting is based on GlobalFiler loci. PowerPlex Fusion 6C is used for allele verification only.
L4JTTC	NR = no result

TABLE 5

WebCode	Additional Comments
LGWKZP	Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. PrepFiler Express™ Kits using Automate Express™ Forensic DNA Extraction System method was used to extract DNA from Item 3 and Item 4. Quantification: DNA quantitation for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Amplification of STR (Short Tandem Repeat) genetic loci for Item 1 and Item 2 were carried out using the AmpFISTR Identifiler Direct Amplification Kit and Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit. Amplification of Y-STR (Y-Short Tandem Repeat) genetic loci for Item 1 and Item 4 were carried out using the AmpFISTR Y-filer PCR Amplification kit. Electrophoresis: Capillary electrophoresis for Item 1, 2, 3 and 4 were carried out using the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.
LYZU8G	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit on QuantStudio 5. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct kit while Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus kit on 9700 GeneAmp PCR System. Y-STR amplification were carried out on Item 1, Item 2 and Item 4 using AmpFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis was carried out on Genetic Analyzer 3130xL for Item 1, Item 2 and Item 4 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out throughout the analysis and gave intended results.
NDVWN	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the DNA IQ kit on Tecan Evo 150. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit on QuantStudio5 Real Time PCR. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 1, Item 2 and Item 4 using AmpFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xl for Item 1, Item 2 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
QY446J	NR = no reaction
TULPBA	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using Promega DNA IQ purification kit via Tecan Freedom EVO 150 HID Evolution Platform. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit on ABI GeneAmp PCR System 9700. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2 and Item 4 were also amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2 (Identifiler Direct) and Item 3 and Item 4 (Identifiler Plus). Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2 and Item 4 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
UCGHV8	Item 1 and 2 results are only entered for Globalfiler loci as casework reporting is based on Globalfiler loci. Powerplex Fusion 6C is only used for allele verification.
UTJGJ2	DNA Interpretations not reported, test participant does not perform interpretations.
V23Q3W	NR = No Result
VKAC7B	NR=No Results
VRRH63	N/R = No Results
WHL4TT	YSTR results for Item 4: Peak observed below threshold (53rfus) in bin for allele 8 at DYS385 that cannot be differentiated from an artifact. Reported peak 11 at 10,467 rfus. NR=No Result

TABLE 5

WebCode	Additional Comments
Y9KK9B	<p>Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification Kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using the AmpFISTR Identifiler Direct PCR Amplification Kit while Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 1, Item 3 and Item 4 using AmpFISTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.</p>
YH7NFB	NR = No Reaction
ZHTHNR	Technician not qualified in YSTR testing, no YSTR results.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 19-5803: DNA-Blood

DATA MUST BE SUBMITTED BY **June 17, 2019, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D

WebCode: JE2XM4

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

Scenario:

Police are investigating the homicide of a male victim. The victim was found after his roommate returned home from work and discovered the victim on the floor in the living room next to a broken glass table. Police apprehended the victim's girlfriend after her car was caught leaving the apartment's parking garage by a security camera. Investigators are submitting a stain from the rug (Item 3) near where the victim's body was found and a stain from a shirt (Item 4) found in the trunk of the suspect's car. Screening has been performed on both samples with the following results: Item 3 (rug) is positive for blood, and Item 4 (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 from rug (brown)

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

Part I (continued): DNA Analysis - Additional DNA

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

Locus	Item 1	Item 2	Item 3	Item 4

Part II: DNA INTERPRETATION

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

		<u>Victim (Item 1).</u>		<u>Suspect (Item 2).</u>		
		Item 3	Item 4	Item 3	Item 4	
Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>	<input type="radio"/>
No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>	<input type="radio"/>
Inconclusive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inconclusive	<input type="radio"/>	<input type="radio"/>
No Interpretation	<input type="radio"/>	<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 ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

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

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

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

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)