



DNA-Semen Test No. 20-5804

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 186 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 clean, white muslin fabric (Items 1 & 2), and two questioned stains; one on clean pink fabric (Item 3) and one on clean, off-white fabric (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 3 was a mixture prepared from human whole blood and semen. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Items 1 and 4 (50 μ l) were created using blood from the same female donor. Item 2 (50 μ l) was created using blood collected from a male donor. Item 3 (50 μ l) was created using a 1:1 mixture of blood from the female donor used in Item 1 and semen from the male donor used in Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on July 6, 2020 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	16.3,16.3	16,23	12,14	14,17	10,13	12,18
	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21	NM	NM	NM	NM	
2	16,16	19,20	10,11	18,18	10,12	11,12
	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16	16.3,19	6,7	9,9
	16,18	10	19	15	2	
3-Blood	16.3,16.3	16,23	12,14	14,17	10,13	*
	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21	NM	NM	NM	NM	
3-Semen	16,16	19,20	10,11	18,18	10,12	*
	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16	16.3,19	6,7	9,9
	16,18	10	19	15	2	
4	16.3,16.3	16,23	12,14	14,17	10,13	*
	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21	NM	NM	NM	NM	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	38,38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
	38	11	13	19	15	19	21	12	11
3-Semen	38,38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
	38	11	13	19	15	19	21	12	11

* 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 20-5804 DNA-Semen test is part of the DNA Sample Specific Series, where participants are advised of the body fluid(s) that made up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 4 were created using blood from the same female donor. Item 2 was created using blood collected from a male donor. Item 3 was created using a mixture of blood from the female donor used in Item 1 and semen from the male donor used in Item 2. (See Manufacturer's Information for preparation details)

Of the 186 participants that returned results, 180 reported DNA interpretations. Two participants stated that the samples were only analyzed for database purposes, three selected the "No Interpretations" option individually for all Interpretation questions, and one did not respond.

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

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

A total of 40 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. Three of these participants reported additional alleles at one or more loci for Item 3.

Additionally, nine other participants reported allelic responses that differed from the consensus/predistribution results for one or more items. The breakdown of inconsistencies is as follows: four reported additional alleles, two were missing alleles, and three reported allelic results that differed from the consensus. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

22MGPQ	PowerPlex® Fusion 6C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21					
26AY8C	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21					
2CJTK	PowerPlex® Fusion 5C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
2GEEQL	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
2M6N2K	GlobalFiler™ Express					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Results			No Results	
2VYUUL	GlobalFiler™ (mRMP by Familias3)					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

37U8RW	PowerPlex® Fusion 5C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
393FWB	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
3BTLMF	PowerPlex® 16 HS					
				14,17	10,13	
1	10,10	12,12			12,13	9,10
	14,17		28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
3FYE8W	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
3VFBMT	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25	--	--	17,30.2	7,9	8,8
	19,21	--	--	--	--	
3WMTLP	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
43TLFK	PowerPlex® 21					
	16,3,16,3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12,2,15	28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

4AR96Y	PowerPlex® Fusion 6c					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
4NNM6T	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
4VU8Q	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
66U7GP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
6HGF3V	Identifiler® Plus					
		16,23		14,17	10,13	
1	10,10	12,12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25,25				7,9	8,8
	19,21					
6Q9U6F	Investigator® 24plex QS					
	16,3,16,3	16,23	12,14	14,17	10,13	N/A
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	N/A	N/A	17,30.2	7,9	8,8
	19,21	N/A	N/A	N/A	N/A	
74DANP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

78DKKP	GlobalFiler™					
		16,3	16,23	12,14	14,17	10,13
1		10	12	13,15	21,22	12,13
		14,17	12,2,15	28,30	15,17	X
		25			17,30.2	7,9
		19,21				8
7EWNRR	PowerPlex® Fusion					
		16,3	16,23	12,14	14,17	10,13
1		10	12	13,15	21,22	12,13
		14,17	12,2,15	28,30	15,17	X
		25	10,11	8,13		7,9
		19,21				8
7FQAKJ	Identifiler®					
			16,23		14,17	10,13
1		10,10	12,12			12,13
		14,17	12,2,15	28,30		X,X
		25,25				7,9
		19,21				8,8
7G47PN	PowerPlex® Fusion 5C					
		16,3,16,3	16,23	12,14	14,17	10,13
1		10,10	12,12	13,15	21,22	12,13
		14,17	12,2,15	28,30	15,17	X,X
		25,25	10,11	8,13		7,9
		19,21				8,8
7LHG4R	PowerPlex® Fusion					
		16,3	16,23	12,14	14,17	10,13
1		10	12	13,15	21,22	12,13
		14,17	12,2,15	28,30	15,17	X
		25	10,11	8,13		7,9
		19,21				8
7PTUKQ	GlobalFiler™					
		16,3	16,23	12,14	14,17	10,13
1		10	12	13,15	21,22	12,13
		14,17	12,2,15	28,30	15,17	X
		25			17,30.2	7,9
		19,21				8
7XQJ4F	PowerPlex® Fusion					
		16,3	16,23	12,14	14,17	10,13
1		10	12	13,15	21,22	12,13
		14,17	12,2,15	28,30	15,17	X
		25	10,11	8,13		7,9
		19,21	NR			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

7ZEV4L	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
83CWFN	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
8AJ3HL	PowerPlex® Fusion 6C					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21					
8BU676	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25			17,30.2	7,9	8
	19,21					
8GXBJM	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
8HE9CM	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
8JLMJT	PowerPlex® 21					
	16,3,16,3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12,2,15	28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

8KYCL6	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
8NFGHF	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
8UMBBP	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
967CLC	PowerPlex® Fusion, ESX-17					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
96ZU8Q	Identifiler® Plus					
		16,23		14,17	10,13	
1	10,10	12,12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25,25				7,9	8,8
	19,21					
9B82AP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
9EPH6E	PowerPlex® 21					
	16,3,16,3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

ACFTFB	Investigator® 24plex QS					
	16.3,16.3	16,23	12,14	14,17	10,13	N/A
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	N/A	N/A	17,30.2	7,9	8,8
	19,21	N/A	N/A	N/A	N/A	
AL2UVK	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
AT442D	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
AVRF2J	GlobalFiler™ Express					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	NR			NR	
AYEWJ4	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
AYN78U	GlobalFiler™ Direct					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
BDM8LG	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

BGMJHG	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
C34DL9	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
C6N37K	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
CN4C7L	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
D2MGT9	PowerPlex® Fusion 5C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
D8PPXF	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
D98JYP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

DJ3PUA	PowerPlex® Fusion (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	N/R				
DMQ2TE	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
DWRPLC	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
E23YCK	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
E2HJVH	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
E62DYA	PowerPlex® Fusion, GlobalFiler™ (Genemapper ID-x)					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
E869HD	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

EB88T7	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	--
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25	--	--	17,30.2	7,9	8
	19,21	NM	--	--	NM	
EDVJRB	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
EH7THK	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
EKV6HQ	GlobalFiler™ Direct					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
END3C8	GlobalFiler™ Express					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No results			No results	
EQKHJD	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
ETMFU7	Identifiler® Plus					
		16,23		14,17	10,13	
1	10	12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25				7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

F7PAYN	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
F9YECC	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FAR8AG	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FBK4WP	GlobalFiler™ Direct					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FBYMGM	GlobalFiler™ Direct					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FJDBGF	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
FVBCUK	Identifiler® Plus					
		16,23		14,17	10,13	
1	10,10	12,12			12,13	9,10
	14,17	12.2,15	28,30		XX	7,12
	25,25				7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

FXDA6D	GlobalFiler™ Express					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Results			No Results	
G2VUP8	PowerPlex® Fusion 6C (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
G32CM3	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21	NM			NM	
G7PNM9	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
GLETAB	PowerPlex® Fusion 6C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21					
GRMZUE	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
GZZBKK	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

H3KFV4	GlobalFiler™ Express					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	no results			no results	
H993Q9	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21	No Result			No Result	
H4J3M3	PowerPlex® 21					
	16.3	16,23	-	14,17	10,13	12,18
1	10	12	-	21,22	12,13	9,10
	14,17	12.2,15	28,30	-	X	7,12
	25	10,11	8,13	-	7,9	8
	19,21	-	-	-	-	
HBCXAC	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21	Neg.				
HF8R8D	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
HHV47H	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8
	19,21					
HJQMA6	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

HWEL28	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
HWV3UF	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
HYJETK	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
J23TWL	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
J63WQT	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21					
JJMJK	PowerPlex® FlexPlex					
	16,3	16,23	12,14	14,17	10,13	12,18
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25		8,13	17,30.2	7,9	8
	19,21					
JP9C8K	Investigator® 24plex GO!					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

JVE72F	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
K2J2M2	Identifiler® Plus					
		16,23		14,17	10,13	
1	10	12			12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25				7,9	8
	19,21					
KP8YYH	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
KT8AVH	GlobalFiler™ Direct					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
L4HZ9D	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
LBGPPH	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
LE62Q9	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

LKAZ3X	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
LMXC24	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
LP28K8	GlobalFiler™ Express					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	NR			NR	
LXVCE9	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
M9TDQC	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	--	--	17,30.2	7,9	8,8
	19,21	--	--	--	--	
MA4ECB	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
MD3Q9B	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

MDM8ND	NGM SElect					
	16.3,16.3	16,23	12,14	14,17		
1		12,12	13,15	21,22		9,10
	14,17	12.2,15	28,30	15,17	X,X	
	25,25			17,30.2	7,9	
	19,21					
MT434A	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
MVMG8A	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
MW3GRY	PowerPlex® ESX-17					
	16.3	16,23	12,14	14,17		
1		12	13,15	21,22		9,10
	14,17	12.2,15	28,30	15,17	X	
	25			17,30.2	7,9	
	19,21					
MXBT8F	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
NJPZVE	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
NKGYAC	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

NMBHDY	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
NPW8XC	PowerPlex® Fusion 5C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
PH89K9	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
PZE3FN	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21					
Q9JWML	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
QBRP3U	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21	NM			NM	
QE7JG7	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

QMGL28	PowerPlex® 5C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
QRDDA4	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
QVCN74	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
QVUXUY	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
QZA6HX	GlobalFiler™ (Genemapper ID-x)					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
R4LF98	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
R6WF62	GlobalFiler™ Express					
	16,3	16,23	12,14	14,17	10,13	NT
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	NT	NT	17,30.2	7,9	8
	19,21	NR	NT	NT	NR	

TABLE 1

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

Item 1 - STR Results

RFXZ79	PowerPlex® Fusion 6C					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21	ND	ND	ND		
RHKGNT	Identifiler® Plus					
		16,23		14,17	10,13	
1	10	12			12,13	9,10
	14,17	12.2,15	28,30		X	7,12
	25				7,9	8
	19,21					
RTHHZX	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
TGJ4D7	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
TLEXDT	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
TMC98A	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
TMVRE3	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

TVPW84	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25				7,9	8
	19,21					
TXTVHW	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
U339ZV	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
UA2XGY	GlobalFiler™ Express					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	NR			NR	
UF8NJ6	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
UG3ADW	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
UHWZJB	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

UJ836A	GlobalFiler™ Direct					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
UWDVY8	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
UWFHDZ	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
UX8GRX	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
UXQKZY	GlobalFiler™ Express					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Results			No Results	
UYJDW3	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
VAXPQQ	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				

TABLE 1

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

Item 1 - STR Results

VMNMRP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21	NM			NM	
VNFHEX	GlobalFiler™ Express					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Result			No Result	
VP9CC2	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
VQMZCT	PowerPlex® Fusion 5c					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
VTC8V6	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
VX74KV	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
W238NM	Identifiler® Plus					
		16,23		14,17	10,13	
1	10	12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25				7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

WAE7HY	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
WFGDX2	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
WGCXQT	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
WQZUQ9	GlobalFiler™ Direct					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
WW6QCT	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
X6EGEW	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21	Neg.				
XGBKJQ	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

XGRHBP	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
XH3JXN	PowerPlex® Fusion (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
XKAWEQ	GlobalFiler™ (TrueAllele)					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8
	19,21					
XXM9EV	ESI fast					
	16.3,16.3	16,23	12,14	14,17		
1		12,12	13,15	21,22		9,10
	14,17	12.2,15	28,30	15,17	X,X	
	25,25				7,9	
	19,21					
XP27PN	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
YCVDVQ	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
YFQ2CX	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 1 - STR Results

YLK2TE	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
YMDUNX	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
YY6FVE	PowerPlex® Fusion 5C					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
Z4W8EU	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
Z6N324	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
Z8UNRN	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	-
1	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	-	-	17,30.2	7,9	8,8
	19,21	ND	-	-	ND	
ZFA8BN	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
1	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 1 - STR Results

ZJN6GP	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
ZPEEQN	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
ZTY4B2	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
1	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 2 - STR Results

22MGPQ	PowerPlex® Fusion 6C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16	16.3,19	6,7	9,9
	16,18	10	19	15		
26AY8C	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
2CJTK	PowerPlex® Fusion 5C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
2GEEQL	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
2	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
2M6N2K	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
2VYUUL	GlobalFiler™ (mRMP by Familias 3)					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
37U8RW	PowerPlex® Fusion 5C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 2 - STR Results

393FWB	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
2		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
		16,18	10			2
3BTLFM	PowerPlex® 16 HS					
				18,18	10,12	
2		8,10	13,15			11,11
		15,18		29,31.2		X,Y
		24,24	12,12	12,16		6,7
		16,18				9,9
3FYE8W	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
3VFBMT	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
2		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	--	--	16.3,19	6,7
		16,18	10	--	--	2
3WMTLP	PowerPlex® Fusion 6C					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9
43TLFK	PowerPlex® 21					
		16,16	19,20		18,18	10,12
2		8,10	13,15		19,21	11,11
		15,18	14,15	29,31.2		X,Y
		24,24	12,12	12,16		6,7
		16,18				9,9
4AR96Y	PowerPlex® Fusion 6c					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9

TABLE 1

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

Item 2 - STR Results

4NNM6T	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
4VU8Q	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
66U7GP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
6HGF3V	Identifiler® Plus					
		19,20		18,18	10,12	
2	8,10	13,15			11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24				6,7	9,9
	16,18					
6Q9U6F	Investigator® 24plex QS					
	16,16	19,20	10,11	18,18	10,12	N/A
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	N/A	N/A	16.3,19	6,7	9,9
	16,18	10	N/A	N/A	N/A	
74DANP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
78DKKP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

7EWNRR	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
7FQAKJ	Identifiler®					
		19,20		18,18	10,12	
2	8,10	13,15			11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24				6,7	9,9
	16,18					
7G47PN	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
7LHG4R	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
7PTUKQ	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
7XQJ4F	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
7ZEV4L	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		

TABLE 1

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

Item 2 - STR Results

83CWFN	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
2		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
		16,18	10			2
8AJ3HL	PowerPlex® Fusion 6C					
		16,16	19,20	10,11	18,18	10,12
2		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16	16.3,19	6,7
		16,18	10	19	15	
8BU676	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
8GXBJM	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
8HE9CM	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
8JLMJT	PowerPlex® 21					
		16,16	19,20		18,18	10,12
2		8,10	13,15		19,21	11,11
		15,18	14,15	29,31.2		X,Y
		24,24	12,12	12,16		6,7
		16,18				9,9
8KYCL6	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2

TABLE 1

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

Item 2 - STR Results

8NFGHF	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
8UMBBP	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
967CLC	PowerPlex® Fusion, ESX-17					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10				
96ZU8Q	Identifiler® Plus					
		19,20		18,18	10,12	
2	8,10	13,15			11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24				6,7	9,9
	16,18					
9B82AP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
9EPH6E	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
2	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
ACFTFB	Investigator® 24plex QS					
	16,16	19,20	10,11	18,18	10,12	N/A
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	N/A	N/A	16.3,19	6,7	9,9
	16,18	10	N/A	N/A	N/A	

TABLE 1

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

Item 2 - STR Results

AL2UVK	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
AT442D	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
2	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
AVRF2J	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
AYEWJ4	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
AYN78U	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
BDM8LG	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
BGMJHG	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		

TABLE 1

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

Item 2 - STR Results

C34DL9	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
C6N37K	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
CN4C7L	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
D2MGT9	PowerPlex® Fusion 5C					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
D8PPXF	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
D98JYP	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
DJ3PUA	PowerPlex® Fusion (STRmix)					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9

TABLE 1

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

Item 2 - STR Results

DMQ2TE	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
DWRPLC	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
E23YCK	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
E2HJVH	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
E62DYA	PowerPlex® Fusion, GlobalFiler™ (Genemapper ID-x)					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10			2	
E869HD	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
EB88T7	GlobalFiler™					
	16	19,20	10,11	18	10,12	--
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	--	--	16.3,19	6,7	9
	16,18	10	--	--	2	

TABLE 1

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

Item 2 - STR Results

EDVJRB	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
EH7THK	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
EKV6HQ	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
END3C8	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
EQKHJD	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
ETMFU7	Identifiler® Plus					
		19,20		18	10,12	
2	8,10	13,15			11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24				6,7	9
	16,18					
F7PAYN	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

F9YECC	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
FAR8AG	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
FBK4WP	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
FBYMGM	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
FJDBGF	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
FVBCUK	Identifiler® Plus					
		19,20		18,18	10,12	
2	8,10	13,15			11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24				6,7	9,9
	16,18					
FXDA6D	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

G2VUP8	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
G32CM3	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
G7PNM9	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
GLETAB	PowerPlex® Fusion 6C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16	16.3,19	6,7	9,9
	16,18	10	19	15		
GRMZUE	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
GZZBKK	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
2	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
H3KFV4	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

H993Q9	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
HAJ3M3	PowerPlex® 21					
	16	19,20	-	18	10,12	11,12
2	8,10	13,15	-	19,21	11	9,11
	15,18	14,15	29,31.2	-	X,Y	11,12
	24	12	12,16	-	6,7	9
	16,18	-	-	-	-	
HBCXAC	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
HF8R8D	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
HHV47H	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
HJQMA6	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
HWEL28	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		

TABLE 1

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

Item 2 - STR Results

HWV3UF	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
HYJETK	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
J23TWL	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
J63WQT	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
JJMVK	PowerPlex® FlexPlex					
		19,20	10,11		10,12	11,12
2	8,10	13,15	15,17	19,21		
	15,18	14,15		14,17		11,12
			12,16	16.3,19	6,7	
JP9C8K	Investigator® 24plex GO!					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10				
JVE72F	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 2 - STR Results

K2J2M2	Identifiler® Plus					
		19,20		18	10,12	
2	8,10	13,15			11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24				6,7	9
	16,18					
KP8YYH	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
KT8AVH	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
L4HZ9D	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
LBGPPH	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
LE62Q9	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
LKAZ3X	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

LMXC24	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
LP28K8	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
LXVCE9	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
M9TDQC	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	--	--	16.3,19	6,7	9,9
	16,18	10	--	--	2	
MA4ECB	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
MD3Q9B	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
MDM8ND	NGM SElect					
	16,16	19,20	10,11	18,18		
2		13,15	15,17	19,21		9,11
	15,18	14,15	29,31.2	14,17	X,Y	
	24,24			16.2,19	6,7	
	16,18					

TABLE 1

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

Item 2 - STR Results

MT434A	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
MVMG8A	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
MW3GRY	PowerPlex® ESX-17					
		16	19,20	10,11	18	
2			13,15	15,17	19,21	9,11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18				
MXBT8F	PowerPlex® Fusion 6C					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9
NJPZVE	PowerPlex® Fusion 6C					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9
NKGYAC	GlobalFiler™					
		16	19,20	10,11	18	10,12
2		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
NMBHDY	PowerPlex® Fusion 5C					
		16,16	19,20	10,11	18,18	10,12
2		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16		6,7
		16,18	10			9,9

TABLE 1

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

Item 2 - STR Results

NPW8XC	PowerPlex® Fusion 5C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
PH89K9	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
PZE3FN	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
Q9JWML	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QBRP3U	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QE7JG7	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
QMGL28	PowerPlex® 5C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 2 - STR Results

QRDDA4	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QVCN74	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
QVUXUY	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
QZA6HX	GlobalFiler™ (Genemapper ID-x)					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
R4LF98	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
R6WF62	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	NT
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	NT	NT	16.3,19	6,7	9
	16,18	10	NT	NT	2	
RFXZ79	PowerPlex® Fusion 6C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16	16.3,19	6,7	9,9
	16,18	10	19	15		

TABLE 1

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

Item 2 - STR Results

RHKGNT	Identifiler® Plus					
		19,20		18	10,12	
2	8,10	13,15			11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24				6,7	9
	16,18					
RTHHZX	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
TGJ4D7	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
TLEXDT	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
TMC98A	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
TMVRE3	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
TVPW84	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

TXTVHW	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
U339ZV	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
UA2XGY	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
UF8NJ6	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
UG3ADW	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
UHWZJB	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
UJ836A	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

UWDVY8	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
UWFHDZ	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
UX8GRX	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
UXQKZY	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
UYJDW3	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
VAXPQQ	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
VMNMRP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

VNFHEX	GlobalFiler™ Express					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
VP9CC2	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
VQMZCT	PowerPlex® Fusion 5c					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
VTC8V6	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
VX74KV	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
W238NM	Identifiler® Plus					
		19,20		18	10,12	
2	8,10	13,15			11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24				6,7	9
	16,18					
WAE7HY	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 2 - STR Results

WFGDX2	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
WGXCQT	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
WQZUQ9	GlobalFiler™ Direct					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
WW6QCT	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
X6EGEW	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
XGBKJQ	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
XGRHBP	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
2	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					

TABLE 1

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

Item 2 - STR Results

XH3JXN	PowerPlex® Fusion (STRmix)					
	16	19,20	10,11	18	10,12	
	2	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
	16,18	10				9
XKAWEQ	GlobalFiler™ (TrueAllele)					
	16,16	19,20	10,11	18,18	10,12	
	2	8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
	16,18	10				9,9
						2
MXM9EV	ESI Fast					
	16,16	19,20	10,11	18,18		
	2		13,15	15,17	19,21	
		15,18	14,15	29,31.2	14,17	X,Y
		24,24				6,7
	16,18					9,11
XP27PN	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
	2	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
	16,18	10				9
YCVDVQ	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
	2	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
	16,18	10	19	15		9
YFQ2CX	GlobalFiler™					
	16	19,20	10,11	18	10,12	
	2	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
	16,18	10				9
						2
YLK2TE	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
	2	8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
	16,18	10				9,9
						2

TABLE 1

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

Item 2 - STR Results

YMDUNX	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
YY6FVE	PowerPlex® Fusion 5C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
Z4W8EU	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
Z6N324	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
Z8UNRN	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	-
2	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	-	-	16.3,19	6,7	9,9
	16,18	10	-	-	2	
ZFA8BN	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
2	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
ZJN6GP	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		

TABLE 1

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

Item 2 - STR Results

ZPEEQN	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
ZTY4B2	GlobalFiler™					
	16	19,20	10,11	18	10,12	
2	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3 - STR Results

22MGPQ	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
2VYUUL	GlobalFiler™ (LRMix Studio)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
8AJ3HL	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
967CLC	PowerPlex® Fusion, ESX-17					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10				
GLETAB	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
MDM8ND	NGM SElect					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18		
3		12,13,15	13,15,17	19,21,22		9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	
	24,25			16.2,17,19,30.2	6,7,9	
	16,18,19,21					

TABLE 1

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

Item 3e - STR Results

26AY8C	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
2AHJR3	GlobalFiler™					
	16,16.3	16,(19),(20),23	(10),(11),12,14	14,17,18	10,(12),13	
3e	(8),10	12,(13),(15)	13,15,(17)	(19),21,22	11,12,13	9,10,(11)
	14,(15),17,(18)	12.2,14,15	28,(29),30,(31.2)	(14),15,17	X,(Y)	7,11,12
	24,25			17,(19),30.2	(6),7,9	8,(9)
	16,18,19,21	10			2	
2CJTK	PowerPlex® Fusion 5C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9,9.3	8,9
	16,18,19,21	10				
2GEEQL	PowerPlex® 21					
	16,16.3	16,19,20,23		14,17,18	10,12,13	11,12,18
3e	8,10	12,13,15		19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21					
2M6N2K	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
37U8RW	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
393FWB	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

3BTLFM	PowerPlex® 16 HS					
				14,17,18	10,12,13	
3e	8,10	12,13,15			11,12,13	9,10,11
	14,15,17,18		28,29,30,31.2		X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21					
3FYE8W	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
3VFBMT	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	--	--	17,19,30.2	6,7,9	8,9
	16,18,19,21	10	--	--	2	
3WMTLP	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
43TLFK	PowerPlex® 21					
	16,16.3	16,19,20,23		14,17,18	10,12,13	11,12,18
3e	8,10	12,13,15		19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21					
4AR96Y	PowerPlex® Fusion 6c					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
4NNM6T	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

4VU8Q	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
66U7GP	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
6HGF3V	Identifiler® Plus					
		16,19,20,23		14,17,18	10,12,13	
3e	8,10	12,13,15			11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25				6,7,9	8,9
	16,18,19,21					
6Q9U6F	Investigator® 24plex QS					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	N/A
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	N/A	N/A	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	N/A	N/A	N/A	
74DANP	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
78DKKP	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
7EWNRR	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

7FQAKJ Identifiler®

3e

7G47PN PowerPlex® Fusion 5C

16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
24,25	10,11,12	8,12,13,16		6,7,9	8,9
16,18,19,21	10				

7LHG4R PowerPlex® Fusion

16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
24,25	10,11,12	8,12,13,16		6,7,9	8,9
16,18,19,21	10				

7PTUKQ GlobalFiler™

16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
24,25			16.3,17,19,30.2	6,7,9	8,9
16,18,19,21	10			2	

7XQJ4F PowerPlex® Fusion (STRMIX)

16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
24,25	10,11,12	8,12,13,16		6,7,9	8,9
16,18,19,21	10				

7ZE4L PowerPlex® Fusion 6C (STRmix)

16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
16,18,19,21	10	19	15		

83CWFN GlobalFiler™

16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
24,25			16.3,17,19,30.2	6,7,9	8,9
16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

8BU676	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
		16,18,19,21	10			8,9
						2
8GXBJM	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
		16,18,19,21	10			8,9
						2
8HE9CM	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
		16,18,19,21	10			8,9
						2
8JLMJT	PowerPlex® 21 (STRmix)					
		16,16.3	16,19,20,23		14,17,18	10,12,13
3e		8,10	12,13,15		19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y
		24,25	10,11,12	8,12,13,16		7,11,12
		16,18,19,21				8,9
8KYCL6	GlobalFiler™					
		16,[16.3]	[16],19,20,[23]	10,11,[12,14]	[14,17],18	10,[12,13]
3e		[8],10	12,13,15	[13],15,[17]	[19],21,[22]	11,[12,13]
		14,15,17,18	[12.2],14,15	28,29,[30],31.2	14,[15],17	X,[Y]
		24,25			16.3,[17],19,[30.2]	[7,11],12
		16,18,[19],21	10			[8],9
						2
8NFGHF	PowerPlex® Fusion					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16		7,11,12
		16,18,19,21	10			8,9
8UMBPP	PowerPlex® Fusion					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16		7,11,12
		16,18,19,21	10			8,9

TABLE 1

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

Item 3e - STR Results

96ZU8Q	Identifiler® Plus					
		16,19,20,23		14,17,18	10,12,13	
3e		8,10	12,13,15		11,12,13	9,10,11
		14,15,17,18	12.2,14,15	28,29,30,31.2	X,Y	7,11,12
		24,25			6,7,9	8,9
		16,18,19,21				
9B82AP	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25		16.3,17,19,30.2	6,7,9	8,9
		16,18,19,21	10		2	
9EPH6E	PowerPlex® 21					
		16,16.3	16,19,20,23		14,17,18	10,12,13
3e		8,10	12,13,15		19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y
		24,25	10,11,12	8,12,13,16		6,7,9
		16,18,19,21				8,9
ACFTFB	Investigator® 24plex QS					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	N/A	N/A	16.3,17,19,30.2	6,7,9
		16,18,19,21	10	N/A	N/A	N/A
AL2UVK	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25		16.3,17,19,30.2	6,7,9	8,9
		16,18,19,21	10		2	
AT442D	PowerPlex® 21					
		16,16.3	16,19,20,23		14,17,18	10,12,13
3e		8,10	12,13,15		19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y
		24,25	10,11,12	8,12,13,16		6,7,9
		16,18,19,21				8,9
AVRF2J	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
3e		8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25		16.3,17,19,30.2	6,7,9	8,9
		16,18,19,21	10		2	

TABLE 1

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

Item 3e - STR Results

AYEWJ4	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
AYN78U	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
BDM8LG	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
BGMJHG	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
C34DL9	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
C6N37K	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
CN4C7L	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

D2MGT9	PowerPlex® Fusion 5C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
D8PPXF	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
D98JYP	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
DJ3PUA	PowerPlex® Fusion (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
DMQ2TE	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
DWRPLC	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
E23YCK	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

E2HJVH	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
E62DYA	PowerPlex® Fusion, GlobalFiler™ (Genemapper ID-x)					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
E869HD	PowerPlex® Fusion 6C (STRmix)					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9
	16,18,19,21	10	19	15		
EB88T7	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	--	--	16.3,17,19,30.2	6,7,9
	16,18,19,21	10	--	--	2	
EDVJRB	PowerPlex® Fusion 6C (STRmix)					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9
	16,18,19,21	10	19	15		
EH7THK	PowerPlex® Fusion					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16		6,7,9
	16,18,19,21	10				
EKV6HQ	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

END3C8	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
EQKHJD	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
ETMFU7	Identifiler® Plus					
		16,19,20,23		14,17,18	10,12,13	
3e	8,10	12,13,15			11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25				6,7,9	8,9
	16,18,19,21					
F7PAYN	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
F9YECC	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
FAR8AG	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
FBK4WP	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

FJDBGF	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
FVBCUK	Identifiler® Plus					
			16,19,20,23		14,17,18	10,12,13
	3e	8,10	12,13,15			11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y
		24,25				6,7,9
	16,18,19,21				8,9	
FXDA6D	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
G2VUP8	PowerPlex® Fusion 6C (STRmix)					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9
	16,18,19,21	10	19	15	8,9	
G32CM3	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
G7PNM9	PowerPlex® Fusion 6C (STRmix)					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9
	16,18,19,21	10	19	15	8,9	
GRMZUE	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

GZZBKK	PowerPlex® 21					
	16,16.3	16,19,20,23		14,17,18	10,12,13	11,12,18
3e	8,10	12,13,15		19,21,22	11,12,13	9,10,11
	14,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21					
H3KFV4	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
H993Q9	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
H4J3M3	PowerPlex® 21					
	16,16.3	16,19,20,23	-	14,17,18	10,12,13	11,12,18
3e	8,10	12,13,15	-	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	-	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	-	6,7,9	8,9
	16,18,19,21	-	-	-	-	
HBCXAC	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
HF8R8D	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
HHV47H	GlobalFiler™ (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,20,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,16,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

HJQMA6	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,16,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
HWEL28	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
HWV3UF	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
HYJETK	GlobalFiler™ (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
J23TWL	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
J63WQT	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
JJMVK	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

JP9C8K	Investigator® 24plex QS					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10				
JVE72F	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
K2J2M2	Identifiler® Plus					
		16,19,20,23		14,17,18	10,12,13	
3e	8,10	12,13,15			11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25				6,7,9	8,9
	16,18,19,21					
KP8YYH	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
KT8AVH	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
L4HZ9D	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
LBGPPH	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		

TABLE 1

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

Item 3e - STR Results

LE62Q9	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
LKAZ3X	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
LMXC24	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
LP28K8	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
LXVCE9	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
M9TDQC	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
MA4ECB	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

MD3Q9B	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
MT434A	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
MVMG8A	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
MW3GRY	PowerPlex® ESX-17					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18		
3e		12,13,15	13,15,17	19,21,22		9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	
	24,25			16.3,17,19,30.2	6,7,9	
	16,18,19,21					
MXBT8F	PowerPlex® Fusion 6C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
NJPZVE	PowerPlex® Fusion 6C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
NKGYAC	GlobalFiler™ (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

NMBHDY	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
NPW8XC	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
PH89K9	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
PZE3FN	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
Q9JWML	GlobalFiler™					
	[16],16.3	16,19,20,23	10,11,12,14	14,17,18	10,[12],[13]	
3e	[8],10	12,[13],[15]	13,15,[17]	[19],21,[22]	11,12,13	9,[10],[11]
	14,[15],17,[18]	12.2,14,15	28,29,30,31.2	[14],[15],17	X,[Y]	[7],[11],12
	24,25			17,[19],30.2	[6],7,[9]	8,9
	16,[18],19,21	10			2	
QBRP3U	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
QE7JG7	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

QMGL28	PowerPlex® 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
QRDDA4	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
QVCN74	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
QVUXUY	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
QWNNZD	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
QZA6HX	GlobalFiler™ (Genemapper ID-x)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
R4LF98	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

R6WF62	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	NT
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	NT	NT	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	NT	NT	2	
RFXZ79	PowerPlex® Fusion 6C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
RHKGNT	Identifiler® Plus					
		16,19,20,23		14,17,18	10,12,13	
3e	[8],10	12,[13],[15]			11,12,13	9,[10],[11]
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,[Y]	7,11,12
	24,25				6,7,9	8,9
	16,18,19,21					
RTHHZX	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
TGJ4D7	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
TLEXDT	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
TMC98A	PowerPlex® Fusion 6C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		

TABLE 1

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

Item 3e - STR Results

TMVRE3	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			17,19,30.2	6,7,9
	16,18,19,21	10			2	
TVPW84	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,19,30.2	6,7,9
	16,18,19,21	10			2	
TXTVHW	PowerPlex® Fusion 5C					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16		6,7,9
	16,18,19,21	10				
U339ZV	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
UA2XGY	GlobalFiler™					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25			16.3,17,19,30.2	6,7,9
	16,18,19,21	10			2	
UF8NJ6	PowerPlex® Fusion					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16		6,7,9
	16,18,19,21	10				
UG3ADW	PowerPlex® Fusion 6C (STRmix)					
		16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13
	3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13
		14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y
		24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9
	16,18,19,21	10	19	15		

TABLE 1

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

Item 3e - STR Results

UJ836A	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25				6,7,9	8,9
	16,18,19,21	10			2	
UWDVY8	GlobalFiler™ (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
UWFHDZ	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
UX8GRX	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
UXQKZY	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
UYJDW3	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
VAXPQQ	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				

TABLE 1

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

Item 3e - STR Results

VMNMRP	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
VNFHEX	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
VP9CC2	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
VQMZCT	PowerPlex® Fusion 5c					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
VTC8V6	GlobalFiler™ (STRMIX)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,16,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
VX74KV	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
W238NM	Identifiler® Plus					
		16,19,20,23		14,17,18	10,12,13	
3e	8,10	12,13,15			11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25				6,7,9	8,9
	16,18,19,21					

TABLE 1

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

Item 3e - STR Results

WAE7HY	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
WFGDX2	PowerPlex® Fusion					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
WGXCQT	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
WQZUQ9	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
WW6QCT	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
X6EGEW	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
XGBKJQ	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

XGRHBP	PowerPlex® 21					
	16,16.3	16,19,20,23		14,17,18	10,12,13	11,12,18
3e	8,10	12,13,15		19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21					
XH3JXN	PowerPlex® Fusion (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
XKAWEQ	GlobalFiler™ (TrueAllele)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
XM99EV	ESI Fast					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18		
3e		12,13,15	13,15,17	19,21,22		9,10,11
	14,15,17,18	12.2,14,15	29,29,30,31.2	14,15,17	X,Y	
	24,25				6,7,9	
	16,18,19,21					
XP27PN	PowerPlex® Fusion (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
YCVDVQ	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
YFQ2CX	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3e - STR Results

YLK2TE	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
YMDUNX	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
YY6FVE	PowerPlex® Fusion 5C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21	10				
Z4W8EU	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
Z6N324	GlobalFiler™ (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	
Z8UNRN	GlobalFiler™					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	-
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	-	-	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	-	-	2	
ZFA8BN	PowerPlex® 21					
	16,16.3	16,19,20,23		14,17,18	10,12,13	11,12,18
3e	8,10	12,13,15		19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2		X,Y	7,11,12
	24,25	10,11,12	8,12,13,16		6,7,9	8,9
	16,18,19,21					

TABLE 1

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

Item 3e - STR Results

ZJN6GP	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
ZPEEQN	PowerPlex® Fusion 6C					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,17	X,Y	7,11,12
	24,25	10,11,12	8,12,13,16	16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10	19	15		
ZTY4B2	GlobalFiler™ (STRmix)					
	16,16.3	16,19,20,23	10,11,12,14	14,17,18	10,12,13	
3e	8,10	12,13,15	13,15,17	19,20,21,22	11,12,13	9,10,11
	14,15,17,18	12.2,14,15	28,29,30,31.2	14,15,16,17	X,Y	7,11,12
	24,25			16.3,17,19,30.2	6,7,9	8,9
	16,18,19,21	10			2	

TABLE 1

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

Item 3sp - STR Results

26AY8C	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
2AHJR3	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
2CJTK	PowerPlex® Fusion 5C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
2GEEQL	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
3sp	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
2M6N2K	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
37U8RW	PowerPlex® Fusion 5C					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
393FWB	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

3BTLFM	PowerPlex® 16 HS					
				18,18	10,12	
3sp	8,10	13,15			11,11	9,11
	15,18		29,31.2		X,Y	11,12
	24,25	12,12	12,16		6,7	9,9
	16,18					
3FYE8W	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
3VFBMT	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	--	--	16.3,19	6,7	9,9
	16,18	10	--	--	2	
3WMTLP	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
43TLFK	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
3sp	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
4AR96Y	PowerPlex® Fusion 6c					
	16	19,20	10,11	[17],18	10,12,[13]	
3sp	8,10	13,15	[13],15,17	19,21	11,[12]	9,11
	15,18	14,15	[28],29,[30],31.2	14,17	X,Y	[7],11,12
	24	12	12,16	16.3,19	6,7,[9]	9
	16,18,[21]	10	19	15		
4NNM6T	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

4VU8Q	GlobalFiler™					
	16,[16.3]	19,20,[23]	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
66U7GP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
6HGF3V	Identifiler® Plus					
		19,20		18,18	10,12	
3sp	8,10	13,15			11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24				6,7	9
	16,18					
6Q9U6F	Investigator® 24plex QS					
	16,(16.3)	19,20	10,11,(12),(14)	(17),18	10,12,(13)	N/A
3sp	8,10	(12),13,15	(13),15,17	19,21,(22)	11,(13)	9,(10),11
	(15),15,(17),18	14,15	(28),29,(30),31.2	14,17	X,Y	(7),11,12
	24,(25)	N/A	N/A	16.3,19	6,7	(8),9
	16,18,(19),(21)	10	N/A	N/A	N/A	
74DANP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
78DKKP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11,12	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
7EWNRR	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 3sp - STR Results

7FQAKJ	Identifiler®					
		16,19,20,23		14,17,18	10,12,13	
3sp		8,10	12,13,15		11,12,13	9,10,11
		14,15,17,18	12.2,14,15	28,29,30,31.2	X,Y	7,11,12
		24,25			6,7,9	8,9
		16,18,19,21				
7G47PN	PowerPlex® Fusion 5C					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16	6,7	9,9
		16,18	10			
7LHG4R	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	6,7	9
		16,18	10			
7PTUKQ	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
7XQJ4F	PowerPlex® Fusion (STRMIX)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	6,7	9
		16,18	10			
7ZE4L	PowerPlex® Fusion 6C (STRmix)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	
83CWFN	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	[13],15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
		16,18	10			2

TABLE 1

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

Item 3sp - STR Results

8BU676	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
8GXBJM	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
8HE9CM	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
8JLMJT	PowerPlex® 21 (STRmix)					
		16,16	19,20		18,18	10,12
3sp		8,10	13,15		19,21	11,11
		15,18	14,15	29,31.2		X,Y
		24,24	12,12	12,16		6,7
		16,18				9,9
8KYCL6	GlobalFiler™					
		16,[16.3]	[16],19,20,[23]	10,11,[12,14]	[14,17],18	10,12,[13]
3sp		[8],10	12,[13,15]	[13],15,17	19,21,[22]	11,[12,13]
		[14],15,[17],18	[12.2],14,15	[28],29,[30],31.2	14,[15],17	X,[Y]
		24,[25]			16.3,19,[30.2]	6,7,[9]
		16,18,[19,21]	10			2
8NFGHF	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
8UMBPP	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9

TABLE 1

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

Item 3sp - STR Results

96ZU8Q	Identifiler® Plus					
		19,20		18,18	10,12	
3sp		8,10	13,15		11,11	9,11
		15,18	14,15	29,31.2	X,Y	11,12
		24,24			6,7	9,9
		16,18				
9B82AP	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			9
					2	
9EPH6E	PowerPlex® 21					
		16,16	19,20		18,18	10,12
3sp		8,10	13,15		19,21	11,11
		15,18	14,15	29,31.2		X,Y
		24,24	12,12	12,16		6,7
		16,18				9,9
ACFTFB	Investigator® 24plex QS					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	N/A	N/A	16.3,19	6,7
		16,18	10	N/A	N/A	9,9
						N/A
AL2UVK	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			9
						2
AT442D	PowerPlex® 21					
		16,16	19,20		18,18	10,12
3sp		8,10	13,15		19,21	11,11
		15,18	14,15	29,31.2		X,Y
		24,24	12,12	12,16		6,7
		16,18				9,9
AVRF2J	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			9
						2

TABLE 1

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

Item 3sp - STR Results

AYEWJ4	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
AYN78U	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
BDM8LG	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
BGMJHG	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
C34DL9	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
C6N37K	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
CN4C7L	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 3sp - STR Results

D2MGT9	PowerPlex® Fusion 5C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
D8PPXF	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
D98JYP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
DJ3PUA	PowerPlex® Fusion (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
DMQ2TE	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
DWRPLC	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
E23YCK	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 3sp - STR Results

E2HJVH	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
E62DYA	PowerPlex® Fusion, GlobalFiler™ (Genemapper ID-x)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10			2	
E869HD	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
EB88T7	GlobalFiler™					
	16	19,20	10,11	18	10,12	--
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	--	--	16.3,19	6,7	9
	16,18	10	--	--	2	
EDVJRB	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
EH7THK	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
EKV6HQ	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

END3C8	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
EQKHJD	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
ETMFU7	Identifiler® Plus					
		19,20		18	10,12	
3sp	8,10	13,15			11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24				6,7	9
	16,18					
F7PAYN	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
F9YECC	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
FAR8AG	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
FBK4WP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

FJDBGF	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
FVBCUK	Identifiler® Plus					
		19,20		18,18	10,12	
3sp	8,10	13,15			11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24				6,7	9,9
	16,18					
FXDA6D	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
G2VUP8	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
G32CM3	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
G7PNM9	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
GRMZUE	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

GZZBKK	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
3sp	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
H3KFV4	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
H993Q9	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
HAJ3M3	PowerPlex® 21					
	16	19,20	-	18	10,12	11,12
3sp	8,10	13,15	-	19,21	11	9,11
	15,18	14,15	29,31.2	-	X,Y	11,12
	24	12	12,16	-	6,7	9
	16,18	-	-	-	-	
HBCXAC	PowerPlex® Fusion 5C					
	16,16.3	19,20,23	10,11,12	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,12	9,11
	15,18	14,15	29,30,31.2	14,17	X,Y	11,12
	24,25	12,12	12,16		6,7,9	9,9
	16,18	10				
HF8R8D	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
HHV47H	GlobalFiler™ (STRmix)					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

HJQMA6	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
HWEL28	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
HWV3UF	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
HYJETK	GlobalFiler™ (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
J23TWL	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
J63WQT	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
JJMVK	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

JP9C8K	Investigator® 24plex QS					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10				
JVE72F	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
K2J2M2	Identifiler® Plus					
		19,20		18	10,12	
3sp	8,10	13,15			11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24				6,7	9
	16,18					
KP8YYH	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
KT8AVH	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
L4HZ9D	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
LBGPPH	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		

TABLE 1

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

Item 3sp - STR Results

LE62Q9	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			9
						2
LKAZ3X	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
		16,18	10			9,9
						2
LMXC24	PowerPlex® Fusion 6C (STRmix)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9
LP28K8	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			9
						2
LXVCE9	PowerPlex® Fusion 5C					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16		6,7
		16,18	10			9,9
M9TDQC	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
		16,18	10			9,9
						2
MA4ECB	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9

TABLE 1

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

Item 3sp - STR Results

MD3Q9B	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
MT434A	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
MVMG8A	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
MW3GRY	PowerPlex® ESX-17					
	16	19,20	10,11	18		
3sp		13,15	15,17	19,21		9,11
	15,18	14,15	29,31.2	14,17	X,Y	
	24			16.3,19	6,7	
	16,18					
MXBT8F	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
NJPZVE	PowerPlex® Fusion 6C					
	16,16.3	16,19,20,23	10,11,12,14	14,18	10,12,13	
3sp	8,10	13,15	13,15,17	19,21,22	11,13	9,11
	15,17,18	14,15	29,31.2	14,17	X,Y	7,11,12
	24,25	10,12	8,12,16	16.3,19,30.2	6,7	9
	16,18,19,21	10	19	15		
NKGYAC	GlobalFiler™ (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

NMBHDY	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
NPW8XC	PowerPlex® Fusion 5C					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
PH89K9	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
PZE3FN	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
Q9JWML	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QBRP3U	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QE7JG7	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 3sp - STR Results

QMGL28	PowerPlex® 5C					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
QRDDA4	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QVCN74	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
QVUXUY	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
QWNNZD	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
QZA6HX	GlobalFiler™ (Genemapper ID-x)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
R4LF98	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				

TABLE 1

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

Item 3sp - STR Results

R6WF62	GlobalFiler™						
		16	19,20	10,11	18	10,12	NT
	3sp	8,10	13,15	15,17	19,21	11	9,11
		15,18	14,15	29,31.2	14,17	X,Y	11,12
		24	NT	NT	16.3,19	6,7	9
		16,18	10	NT	NT	2	
RFXZ79	PowerPlex® Fusion 6C						
		16,16,[16.3]	[16],19,20	10,11,[12]	18,18	10,12,[13]	
	3sp	8,10	13,15	[13],15,17	19,21,[22]	11,11,[12]	9,11
		15,18	[12.2],14,15	29,[30],31.2	14,17	X,Y	11,12
		24,24	[10],12,12	12,16	16.3,19	6,7	[8],9,9
		16,18	10	19	15		
RHKGNT	Identifiler® Plus						
			19,20		18	10,12	
	3sp	8,10	13,15			11	9,11
		15,18	14,15	29,31.2		X,Y	11,12
		24				6,7	9
		16,18					
RTHHZX	PowerPlex® Fusion 6C (STRmix)						
		16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11	9,11
		15,18	14,15	29,31.2	14,17	X,Y	11,12
		24	12	12,16	16.3,19	6,7	9
		16,18	10	19	15		
TGJ4D7	PowerPlex® Fusion						
		16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11	9,11
		15,18	14,15	29,31.2	14,17	X,Y	11,12
		24	12	12,16		6,7	9
		16,18	10				
TLEXDT	PowerPlex® Fusion						
		16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11	9,11
		15,18	14,15	29,31.2	14,17	X,Y	11,12
		24	12	12,16		6,7	9
		16,18	10				
TMC98A	PowerPlex® Fusion 6C						
		16	[16],19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11	9,11
		15,18	14,15	29,31.2	14,17	X,Y	[7],11,12
		24	12	12,16	16.3,19	6,7	[8],9
		16,18	10	19	15		

TABLE 1

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

Item 3sp - STR Results

TMVRE3	GlobalFiler™					
	16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
	16,18	10			2	
TVPW84	GlobalFiler™					
	16	19,20,23	10,11	17,18	10,12	
	3sp	8,10	12,13,15	15,17	19,21	11
		14,15,18	14,15	28,29,31.2	14,17	X,Y
		24			16.3,19	6,7
	16,18	10			2	
TXTVHW	PowerPlex® Fusion 5C					
	16,16	19,20	10,11	18,18	10,12	
	3sp	8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16		6,7
	16,18	10			9,9	
U339ZV	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
	3sp	8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
	16,18	10			9,9	
UA2XGY	GlobalFiler™					
	16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
	16,18	10			9	
UF8NJ6	PowerPlex® Fusion					
	16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
	16,18	10			9	
UG3ADW	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
	3sp	8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
	16,18	10	19	15	9	

TABLE 1

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

Item 3sp - STR Results

UJ836A	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
UWDVY8	GlobalFiler™ (STRmix)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
UWFHDZ	PowerPlex® Fusion 5C					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16		6,7
		16,18	10			9,9
UX8GRX	PowerPlex® Fusion 6C (STRmix)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9
UXQKZY	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
UYJDW3	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
VAXPQQ	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9

TABLE 1

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

Item 3sp - STR Results

VMNMRP	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
VNFHEX	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
VP9CC2	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,25			16.3,19	6,7	9
	16,18	10			2	
VQMZCT	PowerPlex® Fusion 5c					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18	10				
VTC8V6	GlobalFiler™ (STRMIX)					
	15,15.2,16,Q	18,19,20,Q	9,10,11,Q	17,18,Q	9,10,11,12,Q	
3sp	7,8,9,10,Q	12,13,14,15,Q	14,15,16,17,Q	18,19,20,21,Q	10,11,12,Q	8,9,10,11,Q
	14,15,17,18,Q	13,14,15,Q	28,29,30.2,31.2,Q	13,14,15,16,17,18,Q	X,Y	10,11,12,Q
	23,24,25,Q			15.3,16.1,16.3,18.1,9,30.2,Q	6,7,Q	8,9,Q
	15,16,17,18,Q	10			2	
VX74KV	GlobalFiler™					
	16,16	19,20	10,11	18,18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	

TABLE 1

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

Item 3sp - STR Results

W238NM	Identifiler® Plus					
		19,20		18	10,12	
3sp		8,10	13,15		11	9,11
		15,18	14,15	29,31.2	X,Y	11,12
		24			6,7	9
		16,18				
WAE7HY	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10		2	
WFGDX2	PowerPlex® Fusion					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
WGXCQT	PowerPlex® Fusion 5C					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16		6,7
		16,18	10			9,9
WQZUQ9	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10		2	9
WW6QCT	PowerPlex® Fusion 6C (STRmix)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16	16.3,19	6,7
		16,18	10	19	15	9
X6EGEW	PowerPlex® Fusion 5C					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	12,12	12,16		6,7
		16,18	10			9,9

TABLE 1

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

Item 3sp - STR Results

XGBKJQ	GlobalFiler™					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	
XGRHBP	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
3sp	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
XH3JXN	PowerPlex® Fusion (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
XKAWEQ	GlobalFiler™ (TrueAllele)					
	16,16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11,11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24,24			16.3,19	6,7	9,9
	16,18	10			2	
XXM9EV	ESI Fast					
	16,16	19,20	10,11	18,18		
3sp		13,15	15,17	19,21		9,11
	15,18	14,15	29,31.2	14,17	X,Y	
	24,24				6,7	
	16,18					
XP27PN	PowerPlex® Fusion (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16		6,7	9
	16,18	10				
YCVDVQ	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		

TABLE 1

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

Item 3sp - STR Results

YFQ2CX	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
YLK2TE	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24			16.3,19	6,7
		16,18	10			2
YMDUNX	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
YY6FVE	PowerPlex® Fusion 5C					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24	12	12,16		6,7
		16,18	10			9
Z4W8EU	GlobalFiler™					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
Z6N324	GlobalFiler™ (STRmix)					
		16	19,20	10,11	18	10,12
3sp		8,10	13,15	15,17	19,21	11
		15,18	14,15	29,31.2	14,17	X,Y
		24			16.3,19	6,7
		16,18	10			2
Z8UNRN	GlobalFiler™					
		16,16	19,20	10,11	18,18	10,12
3sp		8,10	13,15	15,17	19,21	11,11
		15,18	14,15	29,31.2	14,17	X,Y
		24,24	-	-	16.3,19	6,7
		16,18	10	-	-	2

TABLE 1

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

Item 3sp - STR Results

ZFA8BN	PowerPlex® 21					
	16,16	19,20		18,18	10,12	11,12
3sp	8,10	13,15		19,21	11,11	9,11
	15,18	14,15	29,31.2		X,Y	11,12
	24,24	12,12	12,16		6,7	9,9
	16,18					
ZJN6GP	PowerPlex® Fusion 6C (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
ZPEEQN	PowerPlex® Fusion 6C					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24	12	12,16	16.3,19	6,7	9
	16,18	10	19	15		
ZTY4B2	GlobalFiler™ (STRmix)					
	16	19,20	10,11	18	10,12	
3sp	8,10	13,15	15,17	19,21	11	9,11
	15,18	14,15	29,31.2	14,17	X,Y	11,12
	24			16.3,19	6,7	9
	16,18	10			2	

TABLE 1

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

Item 4 - STR Results

22MGPQ	PowerPlex® Fusion 6C (STRmix)					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21					
26AY8C	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21					
2AHJR3	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
2CJTK	PowerPlex® Fusion 5C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
2GEEQL	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
2M6N2K	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Results			No Results	
2VYUUL	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					

TABLE 1

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

Item 4 - STR Results

37U8RW	PowerPlex® Fusion 5C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
393FWB	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
3BTLM	PowerPlex® 16 HS					
				14,17	10,13	
4	10,10	12,12			12,13	9,10
	14,17		28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
3FYE8W	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
3VFBMT	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25	--	--	17,30.2	7,9	8,8
	19,21	--	--	--	--	
3WMTLP	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
43TLFK	PowerPlex® 21					
	16,3,16,3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12,2,15	28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 4 - STR Results

4AR96Y	PowerPlex® Fusion 6c					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
4NNM6T	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
4VU8Q	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
66U7GP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
6HGF3V	Identifiler® Plus					
		16,23		14,17	10,13	
4	10,10	12,12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25,25				7,9	8,8
	19,21					
6Q9U6F	Investigator® 24plex QS					
	16,3,16,3	16,23	12,14	14,17	10,13	N/A
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	N/A	N/A	17,30.2	7,9	8,8
	19,21	N/A	N/A	N/A	N/A	
74DANP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

78DKKP	GlobalFiler™					
	16.3,17.3	16,23	12,14	14,17	10,13	
4	10	10.2,12,13	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,20,21					
7EWNRR	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
7FQAKJ	Identifiler®					
		16,23		14,17	10,13	
4	10,10	12,12			12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25				7,9	8,8
	19,21					
7G47PN	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
7LHG4R	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
7PTUKQ	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
7XQJ4F	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	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 4 - STR Results

7ZEV4L	PowerPlex® Fusion 6C (STRmix)					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
83CWFN	GlobalFiler™					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
8AJ3HL	PowerPlex® Fusion 6C (STRmix)					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21					
8BU676	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25			17,30.2	7,9	8
	19,21					
8GXBJM	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
8HE9CM	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
8JLMJT	PowerPlex® 21 (STRmix)					
	16,3,16,3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12,2,15	28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 4 - STR Results

8KYCL6	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
8NFGHF	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
8UMBPP	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
967CLC	PowerPlex® Fusion, ESX-17					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
96ZU8Q	Identifiler® Plus					
		16,23		14,17	10,13	
4	10,10	12,12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25,25				7,9	8,8
	19,21					
9B82AP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
9EPH6E	PowerPlex® 21					
	16,3,16,3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					

TABLE 1

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

Item 4 - STR Results

ACFTFB	Investigator® 24plex QS					
	16.3,16.3	16,23	12,14	14,17	10,13	N/A
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	N/A	N/A	17,30.2	7,9	8,8
	19,21	N/A	N/A	N/A	N/A	
AL2UVK	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
AT442D	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
AVRF2J	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	NR			NR	
AYEWJ4	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
AYN78U	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
BDM8LG	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

BGMJHG	PowerPlex® Fusion 6C (STRmix)					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
C34DL9	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
C6N37K	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
CN4C7L	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
D2MGT9	PowerPlex® Fusion 5C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
D8PPXF	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
D98JYP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

DJ3PUA	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	N/R				
DMQ2TE	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
DWRPLC	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
E23YCK	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
E2HJVH	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
E62DYA	PowerPlex® Fusion, GlobalFiler™ (Genemapper ID-x)					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
E869HD	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

EB88T7	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	--
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25	--	--	17,30.2	7,9	8
	19,21	NM	--	--	NM	
EDVJRB	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
EH7THK	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
EKV6HQ	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
END3C8	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No results			No results	
EQKHJD	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
ETMFU7	Identifiler® Plus					
		16,23		14,17	10,13	
4	10	12			12,13	9,10
	14,17	12,2,15	28,30		X,X	7,12
	25				7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

F7PAYN	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
F9YECC	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FAR8AG	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FBK4WP	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
FJDBGF	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
FVBCUK	Identifiler® Plus					
		16,23		14,17	10,13	
4	10,10	12,12			12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25				7,9	8,8
	19,21					
FXDA6D	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Results			No Results	

TABLE 1

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

Item 4 - STR Results

G2VUP8	PowerPlex® Fusion 6C (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
G32CM3	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25			17,30.2	7,9	8
	19,21	NM			NM	
G7PNM9	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
GLETAB	PowerPlex® Fusion 6C (STRmix)					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21					
GRMZUE	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
GZZBKK	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
H3KFV4	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	no results			no results	

TABLE 1

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

Item 4 - STR Results

H993Q9	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21	No Result			No Result	
HAJ3M3	PowerPlex® 21					
	16.3	16,23	-	14,17	10,13	12,18
4	10	12	-	21,22	12,13	9,10
	14,17	12.2,15	28,30	-	X	7,12
	25	10,11	8,13	-	7,9	8
	19,21	-	-	-	-	
HBCXAC	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21	Neg.				
HF8R8D	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
HHV47H	GlobalFiler™ (STRmix)					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
HJQMA6	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
HWEL28	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

HWV3UF	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
HYJETK	GlobalFiler™ (STRmix)					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
J23TWL	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
J63WQT	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25			17,30.2	7,9	8
	19,21					
JJMVK	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
JP9C8K	Investigator® 24plex QS					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
JVE72F	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

K2J2M2	Identifiler® Plus					
		16,23		14,17	10,13	
4	10	12			12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25				7,9	8
	19,21					
KP8YYH	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
KT8AVH	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
L4HZ9D	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
LBGPPH	PowerPlex® Fusion 6C (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
LE62Q9	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
LKAZ3X	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					

TABLE 1

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

Item 4 - STR Results

LMXC24	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
LP28K8	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	NR			NR	
LXVCE9	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
MA4ECB	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
MD3Q9B	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
MDM8ND	NGM SElect					
	16,3,16,3	16,23	12,14	14,17		
4		12,12	13,15	21,22		9,10
	14,17	12,2,15	28,30	15,17	X,X	
	25,25			17,30.2	7,9	
	19,21					
MT434A	GlobalFiler™					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

MVMG8A	PowerPlex® Fusion					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
MW3GRY	PowerPlex® ESX-17					
	16,3	16,23	12,14	14,17		
4		12	13,15	21,22		9,10
	14,17	12,2,15	28,30	15,17	X	
	25			17,30.2	7,9	
	19,21					
MXBT8F	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
NJPZVE	PowerPlex® Fusion 6C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
NKGYAC	GlobalFiler™ (STRmix)					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
NMBHDY	PowerPlex® Fusion 5C					
	16,3,16,3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
NPW8XC	PowerPlex® Fusion 5C					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

PH89K9	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
PZE3FN	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25			17,30.2	7,9	8
	19,21					
Q9JWML	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
QBRP3U	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25			17,30.2	7,9	8
	19,21	NM			NM	
QE7JG7	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
QMGL28	PowerPlex® 5C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
QRDDA4	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

QVCN74	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
QVUXUY	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
QWNNZD	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
QZA6HX	GlobalFiler™ (Genemapper ID-x)					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
R4LF98	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
R6WF62	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	NT
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	NT	NT	17,30.2	7,9	8
	19,21	NR	NT	NT	NR	
RFXZ79	PowerPlex® Fusion 6C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13	17,30.2	7,9	8,8
	19,21	ND	ND	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 4 - STR Results

RHKGNT	Identifiler® Plus					
		16,23		14,17	10,13	
4	10	12			12,13	9,10
	14,17	12.2,15	28,30		X	7,12
	25				7,9	8
	19,21					
RTHHZX	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
TGJ4D7	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
TLEXDT	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15		12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
TMC98A	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
TMVRE3	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
TVPW84	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

TXTVHW	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
U339ZV	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					
UA2XGY	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	NR			NR	
UF8NJ6	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
UG3ADW	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
UJ836A	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
UWDVY8	GlobalFiler™ (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

UWFHDZ	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
UX8GRX	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
UXQKZY	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Results			No Results	
UYJDW3	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
VAXPQQ	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	NR				
VMNMRP	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25			17,30.2	7,9	8
	19,21	NM			NM	
VNFHEX	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21	No Result			No Result	

TABLE 1

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

VP9CC2	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
VQMZCT	PowerPlex® Fusion 5c					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
VTC8V6	GlobalFiler™ (STRMIX)					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
VX74KV	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25			17,30.2	7,9	8,8
	19,21	NR			NR	
W238NM	Identifiler® Plus					
		16,23		14,17	10,13	
4	10	12			12,13	9,10
	14,17	12.2,15	28,30		XX	7,12
	25				7,9	8
	19,21					
WAE7HY	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
WFGDX2	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

WGXCQT	PowerPlex® Fusion C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
WQZUQ9	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
WW6QCT	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
X6EGEW	PowerPlex® Fusion 5C					
	16.3,16.3	16,23	12,14	14,17	10,13	
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21	Neg.				
XGBKJQ	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
XGRHBP	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		X,X	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
XH3JXN	PowerPlex® Fusion					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21	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 4 - STR Results

XKAWEQ	GlobalFiler™ (TrueAllele)						
		16.3,16.3	16,23	12,14	14,17	10,13	
	4	10,10	12,12	13,15	21,22	12,13	9,10
		14,17	12.2,15	28,30	15,17	X,X	7,12
		25,25			17,30.2	7,9	8,8
	19,21						
XMX9EV	ESI FAST						
		16.3,16.3	16,23	12,14	14,17		
	4		12,12	13,15	21,22		9,10
		14,17	12.2,15	28,30	15,17	X,X	
		25,25				7,9	
	19,21						
XP27PN	PowerPlex® Fusion						
		16.3	16,23	12,14	14,17	10,13	
	4	10	12	13,15	21,22	12,13	9,10
		14,17	12.2,15	28,30	15,17	X	7,12
		25	10,11	8,13		7,9	8
	19,21	NR					
YCVDVQ	PowerPlex® Fusion 6C						
		16.3	16,23	12,14	14,17	10,13	
	4	10	12	13,15	21,22	12,13	9,10
		14,17	12.2,15	28,30	15,17	X	7,12
		25	10,11	8,13	17,30.2	7,9	8
	19,21						
YFQ2CX	GlobalFiler™						
		16.3	16,23	12,14	14,17	10,13	
	4	10	12	13,15	21,22	12,13	9,10
		14,17	12.2,15	28,30	15,17	X	7,12
		25			17,30.2	7,9	8
	19,21						
YLK2TE	GlobalFiler™						
		16.3,16.3	16,23	12,14	14,17	10,13	
	4	10,10	12,12	13,15	21,22	12,13	9,10
		14,17	12.2,15	28,30	15,17	X,X	7,12
		25,25			17,30.2	7,9	8,8
	19,21	NR			NR		
YMDUNX	GlobalFiler™						
		16.3	16,23	12,14	14,17	10,13	
	4	10	12	13,15	21,22	12,13	9,10
		14,17	12.2,15	28,30	15,17	X	7,12
		25			17,30.2	7,9	8
	19,21						

TABLE 1

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

Item 4 - STR Results

YY6FVE	PowerPlex® Fusion 5C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13		7,9	8
	19,21					
Z4W8EU	GlobalFiler™					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
Z6N324	GlobalFiler™ (STRmix)					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25			17,30.2	7,9	8
	19,21					
Z8UNRN	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	-
4	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	XX	7,12
	25,25	-	-	17,30.2	7,9	8,8
	19,21	ND	-	-	ND	
ZFA8BN	PowerPlex® 21					
	16.3,16.3	16,23		14,17	10,13	12,18
4	10,10	12,12		21,22	12,13	9,10
	14,17	12.2,15	28,30		XX	7,12
	25,25	10,11	8,13		7,9	8,8
	19,21					
ZJN6GP	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					
ZPEEQN	PowerPlex® Fusion 6C					
	16.3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X	7,12
	25	10,11	8,13	17,30.2	7,9	8
	19,21					

TABLE 1

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

Item 4 - STR Results

ZTY4B2	GlobalFiler™ (STRmix)					
	16,3	16,23	12,14	14,17	10,13	
4	10	12	13,15	21,22	12,13	9,10
	14,17	12,2,15	28,30	15,17	X	7,12
	25			17,30,2	7,9	8
	19,21					

TABLE 1

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

Item 4e - STR Results

M9TDQC	GlobalFiler™					
	16.3,16.3	16,23	12,14	14,17	10,13	
4e	10,10	12,12	13,15	21,22	12,13	9,10
	14,17	12.2,15	28,30	15,17	X,X	7,12
	25,25			17,30.2	7,9	8,8
	19,21					

TABLE 1

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

Item 4sp - STR Results

M9TDQC GlobalFiler™

4sp



YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	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

ETMFU7	Yfiler™								
1	-	-	-	-	-	-	-	-	-

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										
26AY8C	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
2CJKTk	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
2GEEQL	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
2M6N2K	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
2VYUUL	Yfiler™									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16			
							21		11	
37U8RW	Yfiler™									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16			
							21		11	
393FWB	Yfiler™ Plus									
	38,38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
3BTLFM	PowerPlex® Y 23									
		15,15	13,14	12,12	30,30	22,22	10,10	11,11	13,13	
2	16,16	10,10	11,11	20,20		14,14	16,16		26,26	
		11,11	13,13	19,19	15,15		21,21	12,12	11,11	
43TLFK	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
4NNM6T	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
4VU8Q	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
66U7GP	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	

TABLE 2

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

Item 2 - YSTR Results

6Q9U6F	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
74DANP	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
78DKKP	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
7PTUKQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
7XQJ4F	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8AJ3HL	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
8BU676	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
8GXBJM	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8HE9CM	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8NFGHF	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
967CLC	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
96ZU8Q	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11

TABLE 2

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

Item 2 - YSTR Results

9B82AP	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
9EPH6E	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
		11	13	19	15		21	12	11
AL2UVK	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AT442D	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
		11	13	19	15		21	12	11
AVRF2J	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AYEWJ4	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AYN78U	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
C6N37K	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
D2MGT9	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
DJ3PUA	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
E2HJVH	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
E62DYA	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

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

Item 2 - YSTR Results

EB88T7	Yfiler™	--	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	--	14	16	--	--
		--	--	--	--	--	--	21	--	11
EKV6HQ	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11
END3C8	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11
ETMFU7	Yfiler™		15	13,14	12	30	22	10	11	13
	2	16	10	11	20		14	16		
								21		11
F7PAYN	Yfiler™		15	13,14	12	30	22	10	11	13
	2	16	10	11	20		14	16		
								21		11
F9YECC	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11
FAR8AG	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11
FBYMGM	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11
FVBCUK	PowerPlex® Y 23		15	13,14	12	30	22	10	11	13
	2	16	10	11	20		14	16		26
			11	13	19	15		21	12	11
FXDA6D	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11
G32CM3	Yfiler™		15	13,14	12	30	22	10	11	13
	2	16	10	11	20		14	16		
								21		11
GRMZUE	Yfiler™ Plus	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10	26
		38	11		19	15	19	21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
H3KfV4	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
H993Q9	Yfiler™ Plus									
	38,38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
H4J3M3	PowerPlex® Y 23									
	-	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	-	14	16	-	26	
	-	11	13	19	15	-	21	12	11	
HBCXAC	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
HHV47H	Yfiler™ Plus									
	38,38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
J23TWL	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
J63WQT	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
K2J2M2	Yfiler™									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16			
							21		11	
KP8YYH	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
KT8AVH	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
LP28K8	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
2	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
MT434A	Yfiler™									
		15	13,14	12	30	22	10	11	13	
2	16	10	11	20		14	16			
							21		11	

TABLE 2

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

Item 2 - YSTR Results

MW3GRY	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
PZE3FN	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
QBRP3U	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
QMGL28	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
QVCN74	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
R6WF62	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11	NT	19	15	19	21	NT	11
TLEXDT	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
TMVRE3	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
TVPW84	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
UA2XGY	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
UJ836A	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
UWDVY8	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

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

Item 2 - YSTR Results

UXQKZY	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
UYJDW3	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
VAXPQQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
VMNMRP	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
VNFHEX	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
VP9CC2	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
VX74KV	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
W238NM	Yfiler™								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		
							21		11
WAE7HY	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
X6EGEW	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
XGRHBP	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
2	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
XH3JXN	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
2	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

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

Item 2 - YSTR Results

XKAWEQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10
	38	11		19	15	19	21		11
XP27PN	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10
	38	11		19	15	19	21		11
YFQ2CX	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10
	38	11		19	15	19	21		11
YLK2TE	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10
	38	11		19	15	19	21		11
YMDUNX	Yfiler™								
		15	13,14	12	30	22	10	11	13
	2	16	10	11	20	14	16		
						21		11	
Z4W8EU	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	2	16	10	11	20	28	14	16	10
	38	11		19	15	19	21		11
ZFA8BN	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
	2	16	10	11	20	14	16		26
		11	13	19	15		21	12	11

TABLE 2

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

Item 3 - YSTR Results

2VYUUL		15	13,14	12	30	22	10	11	13
3	16	10	11	20		14	16		
							21		11
8AJ3HL	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
967CLC	PowerPlex® Y								
		15	13,14	12	30	22	10	11	13
3	16	10	11	20		14	16		26
		11	13	19	15		21	12	11

TABLE 2

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

Item 3e - YSTR Results

26AY8C	PowerPlex® Y 23								
3e									
2AHJR3	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
2CJTKK	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
2GEEQL	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
2M6N2K	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
37U8RW	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11
393FWB	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
3BTLFM	PowerPlex® Y 23								
		15,15	13,14	12,12	30,30	22,22	10,10	11,11	13,13
3e	16,16	10,10	11,11	20,20		14,14	16,16		26,26
		11,11	13,13	19,19	15,15		21,21	12,12	11,11
43TLFK	PowerPlex® Y 23								
3e									
4NNM6T	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
4VU8Q	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
66U7GP	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

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

Item 3e - YSTR Results

6Q9U6F	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A
3e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
74DANP	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11
78DKKP	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11
7PTUKQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
7XQJ4F	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8BU676	PowerPlex® Y 23								
3e									
8GXBJM	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8HE9CM	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8NFGHF	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
96ZU8Q	PowerPlex® Y 23								
3e									
9B82AP	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
9EPH6E	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		26
		11	13	19	15		21	12	11

TABLE 2

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

Item 3e - YSTR Results

AL2UVK	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AT442D	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
AVRF2J	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AYEWJ4	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AYN78U	Yfiler™ Plus								
3e									
C6N37K	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
D2MGT9	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
DJ3PUA	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
E2HJVH	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
E62DYA	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
EB88T7	Yfiler™								
	--	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	--	14	16	--	--
	--	--	--	--	--	--	21	--	11
EKV6HQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3e - YSTR Results										
END3C8	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
ETMFU7	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3e	16	10	11	20		14	16			
							21		11	
F7PAYN	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3e	16	10	11	20		14	16			
							21		11	
F9YECC	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
FAR8AG	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
FVBCUK	PowerPlex® Y 23									
3e										
FXDA6D	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
G32CM3	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3e	16	10	11	20		14	16			
							21		11	
GRMZUE	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
H3KfV4	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
H993Q9	Yfiler™ Plus									
	38,38	15	13,14	12	30	22	10	11	13	
3e	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
HAI3M3	PowerPlex® Y 23									
3e	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-

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 3e - YSTR Results

HBCXAC	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3e	Neg.	10	11	20		14	16		26
		11	13	19	15		21	12	11
HHV47H	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
J23TWL	Yfiler™ Plus								
3e									
J63WQT	PowerPlex® Y 23								
3e									
K2J2M2	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11
KP8YYH	Yfiler™ Plus								
3e									
KT8AVH	Yfiler™ Plus								
3e									
LP28K8	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
MT434A	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11
MW3GRY	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
PZE3FN	PowerPlex® Y 23								
3e									
QBRP3U	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11

TABLE 2

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

Item 3e - YSTR Results

QMGL28	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e		16	10	11	20	14	16		
							21		11
QVCN74	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3e		16	10	11	20	14	16		26
		11	13	19	15		21	12	11
QWNNZD	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11
R6WF62	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11	NT	19	15	19	21	NT
TLEXDT	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11
TMVRE3	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11
TVPW84	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e		16	10	11	20	14	16		
							21		11
UA2XGY	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11
UJ836A	Yfiler™ Plus								
3e									
UWDVY8	Yfiler™ Plus								
		38	15	13,14	12	30	22	8,3,10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11
UXQKZY	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11
UYJDW3	Yfiler™ Plus								
		38	15	13,14	12	30	22	10	11
3e		16	10	11	20	28	14	16	10
		38	11		19	15	19	21	11

TABLE 2

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

Item 3e - YSTR Results

VAXPQQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
VMNMMP	Yfiler™								
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
3e							21		11
VNFHEX	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
VP9CC2	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
VX74KV	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
W238NM	Yfiler™								
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
3e							21		11
WAE7HY	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
X6EGEW	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
3e		11	13	19	15		21	12	11
XGRHBP	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
3e		11	13	19	15		21	12	11
XH3JXN	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
XKAWEQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11
XP27PN	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3e	38	11		19	15	19	21		11

TABLE 2

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

Item 3e - YSTR Results

YFQ2CX	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
YLK2TE	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
YMDUNX	Yfiler™								
		15	13,14	12	30	22	10	11	13
3e	16	10	11	20		14	16		
							21		11
Z4W8EU	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3e	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
26AY8C	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
2AHJR3	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
2CJKTk	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
2GEEQL	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
2M6N2K	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
37U8RW	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
							21		11	
393FWB	Yfiler™ Plus									
	38,38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
3BTLMF	PowerPlex® Y 23									
		15,15	13,14	12,12	30,30	22,22	10,10	11,11	13,13	
3sp	16,16	10,10	11,11	20,20		14,14	16,16		26,26	
		11,11	13,13	19,19	15,15		21,21	12,12	11,11	
43TLFK	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
4NNM6T	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
4VU8Q	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
66U7GP	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	

TABLE 2

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

Item 3sp - YSTR Results

6Q9U6F	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A
3sp	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
74DANP	Yfiler™								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		
							21		11
78DKKP	Yfiler™								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		
							21		11
7PTUKQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
7XQJ4F	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8BU676	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
8GXBJM	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8HE9CM	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
8NFGHF	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
96ZU8Q	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
9B82AP	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
9EPH6E	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		26
		11	13	19	15		21	12	11

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3sp - YSTR Results									
AL2UVK	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AT442D	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
AVRF2J	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AYEWJ4	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
AYN78U	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
C6N37K	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
D2MGT9	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
DJ3PUA	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
E2HJVH	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
E62DYA	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
EB88T7	Yfiler™								
	--	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	--	14	16	--	--
	--	--	--	--	--	--	21	--	11
EKV6HQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 3sp - YSTR Results									
END3C8	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
ETMFU7	Yfiler™								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		
							21		11
F7PAYN	Yfiler™								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		
							21		11
F9YECC	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
FAR8AG	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
FVBCUK	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
FXDA6D	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
G32CM3	Yfiler™								
		15	13,14	12	30	22	10	11	13
3sp	16	10	11	20		14	16		
							21		11
GRMZUE	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
H3KfV4	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
H993Q9	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
HAJ3M3	PowerPlex® Y 23								
	-	15	13,14	12	30	22	10	11	13
3sp	16	10	11	20	-	14	16	-	26
	-	11	13	19	15	-	21	12	11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
HBCXAC	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
HHV47H	Yfiler™ Plus									
3sp										
J23TWL	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
J63WQT	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
K2J2M2	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16			
							21		11	
KP8YYH	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
KT8AVH	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
LP28K8	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
MT434A	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16			
							21		11	
MW3GRY	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
PZE3FN	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
QBRP3U	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16			
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 3sp - YSTR Results										
QMGL28	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16			
							21		11	
QVCN74	PowerPlex® Y 23									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16		26	
		11	13	19	15		21	12	11	
QWNNZD	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
R6WF62	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11	NT	19	15	19	21	NT	11	
TLEXDT	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
TMVRE3	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
TVPW84	Yfiler™									
		15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20		14	16			
							21		11	
UA2XGY	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
UJ836A	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
UWDVY8	Yfiler™ Plus									
3sp										
UXQKZY	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	
UYJDW3	Yfiler™ Plus									
	38	15	13,14	12	30	22	10	11	13	
3sp	16	10	11	20	28	14	16	10	26	
	38	11		19	15	19	21		11	

TABLE 2

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

Item 3sp - YSTR Results

VAXPQQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
	VMNMRP								
	Yfiler™								
3sp		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
							21		11
VNFHEX	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
	VP9CC2								
	Yfiler™ Plus								
3sp	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
VX74KV	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
	W238NM								
	Yfiler™								
3sp		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
							21		11
WAE7HY	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
	X6EGEW								
	PowerPlex® Y 23								
3sp		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
		11	13	19	15		21	12	11
XGRHBP	PowerPlex® Y 23								
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
3sp		11	13	19	15		21	12	11
	XH3JXN								
	Yfiler™ Plus								
3sp	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11
XKAWEQ	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
	XP27PN								
	Yfiler™ Plus								
3sp	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
	38	11		19	15	19	21		11

TABLE 2

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

Item 3sp - YSTR Results

YFQ2CX	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
YLK2TE	Yfiler™ Plus								
	38,38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
YMDUNX	Yfiler™								
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		
3sp						21		11	
Z4W8EU	Yfiler™ Plus								
	38	15	13,14	12	30	22	10	11	13
	16	10	11	20	28	14	16	10	26
3sp	38	11		19	15	19	21		11
ZFA8BN									
		15	13,14	12	30	22	10	11	13
	16	10	11	20		14	16		26
3sp		11	13	19	15		21	12	11

TABLE 2

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

Item 4 - YSTR Results

2CJTKK	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
2M6N2K	Yfiler™ Plus								
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
4	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results		No Results	No Results	No Results	No Results		No Results
393FWB	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
7XQJ4F	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
8NFGHF	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
AYEWJ4	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
D2MGT9	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
DJ3PUA	Yfiler™ Plus								
	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
4	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
ETMFU7	Yfiler™								
	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
H993Q9	Yfiler™ Plus								
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
4	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result		No Result	No Result	No Result	No Result		No Result
HBCXAC	PowerPlex® Y 23								
		Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
4	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
		Neg.	Neg.	Neg.	Neg.		Neg.	Neg.	Neg.
QVCN74	PowerPlex® Y 23								
4									

TABLE 2

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

Item 4 - YSTR Results

UA2XGY	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
VAXPQQ	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
VX74KV	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
X6EGEW	PowerPlex® Y 23								
		Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
4	Neg.	Neg.	Neg.	Neg.		Neg.	Neg.		Neg.
		Neg.	Neg.	Neg.	Neg.		Neg.	Neg.	Neg.
XH3JXN	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
XP27PN	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
YLK2TE	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

Additional DNA Results

TABLE 3

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

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
22MGPQ	Yes	Yes	Yes	No	74DANP	Yes	Yes	Yes	No
26AY8C	Yes	Yes	Yes	No	78DKKP	Yes	Yes	Yes	No
2AHJR3	No Interp	No Interp	No Interp	No Interp	7EWNRR	Yes	Yes	Yes	No
2CJKTk	Yes	Yes	Yes	No	7FQAKJ	Yes	Yes	Yes	
2GEEQL	Yes	Yes	Yes	No	7G47PN	Yes	Yes	Yes	No
2M6N2K	Yes	Yes	Yes	No	7LHG4R	Yes	Yes	Yes	No
2VYUUL	Yes	Yes	Yes	No	7PTUKQ	Yes	Yes	Yes	No
37U8RW	Yes	Yes	Yes	No	7XQJ4F	Yes	Yes	Yes	No
393FWB	Yes	Yes	Yes	No	7ZEV4L	Yes	Yes	Yes	No
3BTLFM	Yes	Yes	Yes	No	83CWFN	Yes	Yes	Yes	No
3FYE8W	Yes	Yes	Yes	No	8AJ3HL	Yes	Yes	Yes	No
3VFBMT	Yes	Yes	Yes	No	8BU676	Yes	Yes	Yes	No
3WMTLP	Yes	Yes	Yes	No	8GXBJM	Yes	Yes	Yes	No
43TLFK	Yes	Yes	Yes	No	8HE9CM	Yes	Yes	Yes	No
4AR96Y	Yes	Yes	Yes	No	8JLMJT	Yes	Yes	Yes	No
4NNM6T	Yes	Yes	Yes	No	8KYCL6	Yes	Yes	Yes	No
4WU8Q	Yes	Yes	Yes	No	8NFGHF	Yes	Yes	Yes	No
66U7GP	Yes	Yes	Yes	No	8UMBPP	Yes	Yes	Yes	No
6HGF3V	Yes	Yes	Yes	No	967CLC	Yes	Yes	Yes	No
6Q9U6F	Yes	Yes	Yes	No	96ZU8Q	Yes	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
9B82AP	Yes	Yes	Yes	No	E62DYA	Yes	Yes	Yes	No
9EPH6E	Yes	Yes	Yes	No	E869HD	Yes	Yes	Yes	No
ACFTFB	Yes	Yes	Yes	No	EB88T7	Yes	Yes	Yes	No
AL2UVK	Yes	Yes	Yes	No	EDVJRB	Yes	Yes	Yes	No
AT442D	Yes	Yes	Yes		EH7THK	Yes	Yes	Yes	No
AVRF2J	Yes	Yes	Yes	No	EKV6HQ	Yes	Yes	Yes	No
AYEWJ4	Yes	Yes	Yes	No	END3C8	Yes	Yes	Yes	No
AYN78U	Yes	Yes	Yes	No	EQKHJD	Yes	Yes	Yes	No
BDM8LG	Yes	Yes	Yes	No	ETMFU7	Yes	Yes	Yes	No
BGMJHG	Yes	Yes	Yes	No	F7PAYN	Yes	Yes	Yes	No
C34DL9	Yes	Yes	Yes	No	F9YECC	Yes	Yes	Yes	No
C6N37K	Yes	Yes	Yes	No	FAR8AG	Yes	Yes	Yes	No
CN4C7L	Yes	Yes	Yes	No	FBK4WP	Yes	Yes	Yes	No
D2MGT9	Yes	Yes	Yes	No	FBYMGM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D8PPXF	Yes	Yes	Yes	No	FJDBGF	Yes	Yes	Yes	No
D98JYP	Yes	Yes	Yes	No	FVBCUK	Yes	Yes	Yes	No
DJ3PUA	Yes	Yes	Yes	No	FXDA6D	Yes	Yes	Yes	No
DMQ2TE	Yes	Yes	Yes	No	G2VUP8	Yes	Yes	Yes	No
DWRPLC	Yes	Yes	Yes	No	G32CM3	Yes	Yes	Yes	No
E23YCK	Yes	Yes	Yes	No	G7PNM9	Yes	Yes	Yes	No
E2HJVH	Yes	Yes	Yes	No	GLEYAB	Yes	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
GRMZUE	Yes	Yes	Yes	No	LBGPPH	Yes	Yes	Yes	No
GZZBKK	Yes	Yes	Yes	No	LE62Q9	Yes	Yes	Yes	No
H3KFV4	Yes	Yes	Yes	No	LKAZ3X	Yes	Yes	Yes	No
H993Q9	Yes	Yes	Yes	No	LMXC24	Yes	Yes	Yes	No
HAJ3M3	Yes	Yes	Yes	No	LP28K8	Yes	Yes	Yes	No
HBCXAC	Yes	Yes	Yes	No	LXVCE9	Yes	Yes	Yes	No
HF8R8D	Yes	Yes	Yes	No	M9TDQC	Yes	Yes	Yes	No
HHV47H	Yes	Yes	Yes	No	MA4ECB	Yes	Yes	Yes	No
HJQMA6					MD3Q9B	Yes	Yes	Yes	No
HWEL28	Yes	Yes	Yes	No	MDM8ND	Yes	Yes	Yes	No
HWV3UF	Yes	Yes	Yes	No	MT434A	Yes	Yes	Yes	No
HYJETK	Yes	Yes	Yes	No	MVMG8A	Yes	Yes	Yes	No
J23TWL	Yes	Yes	Yes	No	MW3GRY	Yes	Yes	Yes	
J63WQT	Yes	Yes	Yes	No	MXBT8F	Yes	Yes	Yes	No
JJMJK	No Interp	No Interp	No Interp	No Interp	NJPZVE	Yes	Yes	Yes	No
JP9C8K	Yes	Yes	Yes	No	NKGYAC	Yes	Yes	Yes	No
JVE72F	Yes	Yes	Yes	No	NMBHDY	Yes	Yes	Yes	No
K2J2M2	Yes	Yes	Yes	No	NPW8XC	Yes	Yes	Yes	No
KP8YYH	Yes	Yes	Yes	No	PH89K9	Yes	Yes	Yes	No
KT8AVH	Yes	Yes	Yes	No	PZE3FN	Yes	Yes	Yes	No
L4HZ9D	Yes	Yes	Yes	No	Q9JWML	Yes	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
QBRP3U	Yes	Yes	Yes	No	UF8NJ6	Yes	Yes	Yes	No
QE7JG7	Yes	Yes	Yes	No	UG3ADW	Yes	Yes	Yes	No
QMGL28	Yes	Yes	Yes	No	UHWZJB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QRDDA4	Yes	Yes	Yes	No	UJ836A	Yes	Yes	Yes	No
QVCN74	Yes	Yes	Yes	No	UWDVY8	Yes	Yes	Yes	No
QVUXUY	Yes	Yes	Yes	No	UWFHDZ	Yes	Yes	Yes	No
QWNNZD	No Interp	No Interp	No Interp	No Interp	UX8GRX	Yes	Yes	Yes	No
QZA6HX	Yes	Yes	Yes	No	UXQKZY	Yes	Yes	Yes	No
R4LF98	Yes	Yes	Yes	No	UYJDW3	Yes	Yes	Yes	No
R6WF62	Yes	Yes	Yes	No	VAXPQQ	Yes	Yes	Yes	No
RFXZ79	Yes	Yes	Yes	No	VMNMRP	Yes	Yes	Yes	No
RHKGNT	Yes	Yes	Yes	No	VNFHEX	Yes	Yes	Yes	No
RTHHZX	Yes	Yes	Yes	No	VP9CC2	Yes	Yes	Yes	No
TGJ4D7	Yes	Yes	Yes	No	VQMZCT	Yes	Yes	Yes	No
TLEXDT	Yes	Yes	Yes	No	VTC8V6	Yes	Yes	Yes	No
TMC98A	Yes	Yes	Yes	No	VX74KV	Yes	Yes	Yes	No
TMVRE3	Yes	Yes	Yes	No	W238NM	Yes	Yes	Yes	No
TVPW84	Yes	Yes	Yes	No	WAE7HY	Yes	Yes	Yes	No
TXTVHW	Yes	Yes	Yes	No	WFGDX2	Yes	Yes	Yes	No
U339ZV	Yes	Yes	Yes	No	WGCXQT	Yes	Yes	Yes	No
UA2XGY	Yes	Yes	Yes	No	WQZUQ9	Yes	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
WW6QCT	Yes	Yes	Yes	No					
X6EGEW	Yes	Yes	Yes	No					
XGBKJQ	Yes	Yes	Yes	No					
XGRHBP	Yes	Yes	Yes	No					
XH3JXN	Yes	Yes	Yes	No					
XKAWEQ	Yes	Yes	Yes	No					
XX99EV	Yes	Yes	Yes	No					
XP27PN	Yes	Yes	Yes	No					
YCVDVQ	Yes	Yes	Yes	No					
YFQ2CX	Yes	Yes	Yes	No					
YLK2TE	Yes	Yes	Yes	No					
YMDUNX	Yes	Yes	Yes	No					
YY6FVE	Yes	Yes	Yes	No					
Z4W8EU	Yes	Yes	Yes	No					
Z6N324	Yes	Yes	Yes	No					
Z8UNRN	Yes	Yes	Yes	No					
ZFA8BN	Yes	Yes	Yes	No					
ZJN6GP	Yes	Yes	Yes	No					
ZPEEQN	Yes	Yes	Yes	No					
ZTY4B2	Yes	Yes	Yes	No					

DNA Interpretation**Response Summary****Participants reporting DNA results: 186**

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

	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	180	180	180	0
No	0	0	0	177
Inc	0	0	0	0
No Interpretation	3	3	3	3
No Response	1	1	1	4

Participants analyzing DNA for database purposes only: 2

Additional Comments

TABLE 5

WebCode	Additional Comments
2AHJR3	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through CE, but not in interpretation of DNA profiling results. Note: an apparent 16.3 allele was observed in the epithelial fraction of Items 3 that was not resolved by the GMIDX analysis software.
2CJKTk	NR = No Results
2VYUUL	mRMP Item 1 = Item 4 = 1.27E+34. mRMP Item 2 = 3.22E+31. LR Item 3 Item 1 + 1 Unkn / 2 Unkn = 2.45E+18 (d.o. = 0.1), 1.58E+18 (d.o. = 0.13). Item 2 + 1 Unkn / 2 Unkn = 5.43E+13 (d.o. = 0.1), 4.65E+13 (d.o. = 0.11). Item 1 + Item 2 / 2 Unkn = 9.22E+39 (d.o. = 0.1), 5.10E+39 (d.o. = 0.12)
393FWB	NR = No Results
3BTLFM	- Item 3 (victim's underwear) is positive for blood and semen. - Item 4 (suspect shirt) is positive for blood and negative for semen. - Differential extraction performed for item 3 and the result is: 1-The genetic profile of the blood and epithelial cells for item 3 mixed and refer for both female victim (item 1) and the male suspect (item 2), 2-The genetic profile of the sperm for item 3 match with the male suspect. - The genetic profile of the of item 4 refer for the female victim (item 1)
3VFBMT	CTS item 3 (Q1.3.1e) has an unresolved allele (#16.3) at SE33, but it is present in the other fraction (Q1.3.1s).
78DKKP	Item 1.3sp: 12 allele at D13S17 is being attributed to carryover. Item 1.4: 20 allele at vWA, 13 allele at D8S1179, and 17.3 allele at D1S1656 all in stutter positions, however, because of 10.2 allele at D8S1179 with relatively similar RFU values, per our practice in casework, all these alleles called trace.
7XQJ4F	NR = No Result
8NFGHF	NR=No Results
9EPH6E	The profile obtained in the epithelial fraction of Item 3 is a mixture in a 1:1 ratio, therefore the profile is presented without brackets in the minor alleles.
AVRF2J	NR = No Results.
AYEWJ4	NR = No Result. Item 1 was not analyzed for Y-STR as it was the female known sample
D2MGT9	NR=no results
DJ3PUA	N/R = No Results
EB88T7	Extraction: Item 1 and Item 2 were using chelex extraction method. Item 3 were extracted using Differential extraction method. Item 4 was extracted using TECAN Freedom EVO 150. Quantification::Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit on Real-Time Polymerase Chain Reaction QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR kit on 97000 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 3 using AmFLSTR Y-Filer kit on 97000 GeneAmp PCR System. Electrophoresis: Electrophoresis for Globalfiler was carried out on Genetic Analyzer 3500xl for Item 1, Item 2, Item 3 and Item 4. Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3500xl for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were incorporated through analysis and all gave intended results.
ETMFU7	Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler™ Human DNA Quantification Kit on Applied Biosystems™ 7500 Real-Time PCR Systems. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR™ Identifiler™ Plus and Yfiler™ PCR Amplification Kits on Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on Applied Biosystems™ 3500XL Genetic Analyzer and the data were analyzed with GeneMapper ID-X v1.5 software. Quality control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results.
FBK4WP	For Item 3e there was a possible unresolved peak (16.3) at SE33.

TABLE 5

WebCode	Additional Comments
G32CM3	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 was extracted using differential extraction method. Item 4 was extracted using TECAN Freedom Evo 150. Quantification: Item 1, Item 2, 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, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 3 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (GlobalFiler Kit) and Item 2 and Item 3 (Yfiler Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
H993Q9	NA = Not Analyzed (sample is a female known; thus, no Y-STR testing was conducted).
HAJ3M3	Part II: [Table 4: DNA Interpretations], Victim (Item 1) is present only in epithelial extract mixture of Item 3, not in sperm extract.
HHV47H	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
HJQMA6	Analyst performs data analysis using GeneMapper but does not perform data interpretation or reporting.
JJMJVK	The known samples were run on a rapid instrument (ANDE) and 10 or more loci are considered passing for this technology. The known samples were not analyzed. Data was entered for Items 1 and 2 and DNA analysis was performed on Items 3 and 4 to show the correct results were obtained for the analyst that ran the rapid instrument on Items 1 and 2 and performed the DNA extraction and quantitation on Items 3 and 4. This analyst is only qualified to perform DNA extraction through quantitation. There is possible dropout of 16.3 at SE33 for Item 3e, so this locus was not interpreted.
K2J2M2	Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1, Item 2, 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 2 and Item 3 using the AmpFISTR Y-filer PCR Amplification Kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Identifiler Plus was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl with Genemapper ID-X Software for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.
KT8AVH	Item 3e [Laboratory specific naming convention] at SE33 did not resolve the 16.3 peak in GMIDX software, thus SE33 was not compared to.
LBGPPH	Peaks being modeled as stutter in STRmix are not being added to the allele table (per policy).
LP28K8	NR = No Results
M9TDQC	Unresolved allele (17) at SE33 for Item 3e: Q1.3.1e, and was noted in interpretation worksheets. A differential extraction was completed for Item 4: Q1.4.1. Item 4s: Q1.4.1s was stopped at quant due to no DNA, and consequently no data was reported for that fraction.
MDM8ND	- No statistical evaluations were made for the interpretation of the 4 profiles. - Profiles #1, #2 and #4 are complete and individuals Profile #3 is a mixture of 2 individuals, at least. - In the profile #3, victim's ans suspect's profiles are found.
MT434A	No male DNA detected from the suspect's shirt stain (Item 4)
NKGYAC	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.

TABLE 5

WebCode	Additional Comments
PZE3FN	Item 3 ecell fraction was interpreted to be a mixture of DNA from two contributors with the results being consistent with Item 1 (the female victim) and Item 3 sperm fraction (which matched Item 2). SE33 showed three allele calls, a 17, 19, and 30.2 with the 17 having wider than expected morphology. Assuming the sperm fraction as a contributor to the ecell fraction, and having all other locations in the mixture consistent, the poor morphology was believed to be the result of an unresolved 16.3 next to the 17 allele. Per laboratory manual Item 3 ecell fraction was amplified a second time to attempt to resolve the 16.3 from the 17 but the results reproduced the same three alleles at SE33. The morphology of the 17 was similar to the first amplification in that it was wide and appeared to be truly an unresolved 16.3 and a 17.
QBRP3U	Extraction: Item 1 and Item 2 were extracted using chelex extraction method, Item 3 was extracted using differential extraction method and Item 4 was extracted using TECAN EVO FREEDOM extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit on Real-Time Polymerase Chain Reaction QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 3 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for GlobalFiler was carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3500xl for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results.
QWNNZD	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through CE, but not in interpretation of DNA profiling results. Note: an apparent 16.3 allele was observed in the epithelial fraction of Items 3 that was not resolved by the GMIDX analysis software.
R6WF62	NT = not tested. NR = no results
RFXZ79	ND = No DNA detected
UA2XGY	NR = no result
UJ836A	Item 3 epithelial fraction: SE33 was not used for interpretation due to unresolved peak/insufficient information.
UWDVY8	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Note: For Item 3, an 8.3 allele was detected at DYS391 when the non-sperm fraction of the sample was amplified with Yfiler Plus. This 8.3 allele may be an artifact, but because it is not listed as such in the Yfiler Plus known artifacts log, it was treated as an allele from a second contributor.
VAXPQQ	NR = no results
VMNMRP	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 was extracted using differential extraction method. Item 4 was extracted using TECAN Freedom Evo 150. Quantification: Item 1, Item 2, 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, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 3 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (GlobalFiler Kit) and Item 2 and Item 3 (Yfiler Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
VTC8V6	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
VX74KV	NR = no results

TABLE 5

WebCode	Additional Comments
W238NM	<p>Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1, Item 2, 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 2 and Item 3 using the AmpFISTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 1, Item 2, 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 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.</p>
XH3JXN	NR = No Results
XP27PN	NR = no results
YLK2TE	NR = No Results. No Y-STR DNA analysis performed for item 1. No Y-STR DNA profile obtained from item 4.
Z6N324	DNA analyst not proficient/competent in bio-screening; therefore, no screening tests were performed.
ZTY4B2	<p>The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.</p>

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 20-5804: DNA-Semen

DATA MUST BE SUBMITTED BY **Sept. 8, 2020, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D

WebCode: YZY4A3

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

Scenario:

Police are investigating the sexual assault of a female victim. The victim's claim is that her husband came home late one night and was heavily intoxicated. After she refused his advances, he became angry and then beat and sexually assaulted her. The following day the victim went to the hospital. Investigators are submitting a stain from the underwear (Item 3) the victim was wearing and a stain from a shirt (Item 4) found in the suspect's car which matches the victim's description of what the suspect was wearing during the attack. Screening has been performed on both samples with the following results: Item 3 (victim's underwear) is positive for blood and semen, and Item 4 (shirt) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S4):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood and semen mixture from victim's underwear (pink)

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

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)