



DNA-Semen Test No. 23-5804

Summary Report

Each participant received a sample set consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 218 participants and are compiled into the following tables:

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

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

Manufacturer's Information

Each sample set consisted of two known bloodstains on white fabric (Items 1 & 2), and two questioned stains on colored fabric (Items 3 & 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1 – 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain on Item 4 was a mixture prepared from human whole blood and semen. Item 1 (50 μL) and Item 3 (50 μL) were created using blood from the same female donor. Item 2 (50 μL) was created using blood from a male donor. Item 4 (50 μL) was created using a 1:1 mixture of blood from the female donor used in Item 1 and semen from the male donor used in Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on July 03, 2023 following completion of the verification stage.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	13,16.3	22,24	10,11	16,16	8,12	*
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16	NM	NM	NM	NM	
2	13,15	17,20	10,11	17,17	11,12	*
	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17	2	
3	13,16.3	22,24	10,11	16,16	8,12	*
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16	NM	NM	NM	NM	
4-Blood	13,16.3	22,24	10,11	16,16	8,12	*
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16	NM	NM	NM	NM	
4-Semen	13,15	17,20	10,11	17,17	11,12	*
	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17	2	

YSTR Results									
Results compiled from predistribution laboratories and a consensus of at least 10 participants.									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12	12	18	17	23	23	11	12
4-Semen	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12	12	18	17	23	23	11	12

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

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

Summary Comments

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

DNA Analysis

For STR results, all participants reported consistent results, with the exception of nine participants that reported an inconsistent result for one or more items. A majority of these inconsistent results were reported for Item 4e.

For YSTR results, all participants reported consistent results for Items 2 and 4, with the exception of one participant who reported an inconsistent result for more than one item.

DNA Interpretations

Of the 218 participants that returned results, 210 reported DNA interpretations for at least one conclusion. Four participants selected the "No Interpretation" option for each conclusion, three participants stated that the samples were analyzed for database purposes only, and one participant did not respond.

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

For Item 4, all participants included the victim (Item 1) and the suspect (Item 2) as possible contributors to the stain, with the exception of one participant who excluded the victim as a possible contributor.

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

26CAYP	GlobalFiler™ Plus (Genemapper IDx)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
2BZD26	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
2CRZC3	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
2QPU4B	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
2W8LJP	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
2XRYZ2	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	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

34GCFZ	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
34YEBF	GlobalFiler™ (STRMix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
3BHMTK	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
3JCRLL	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
3PB6YP	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	No Results			No Results	
3QLGLD	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
3T39J3	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

3UDFDH	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
3VPU6Y	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
48Q7E6	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
4FKB87	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
4HURWJ	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
4PX8MX	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
4XQDPC	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

62XVTR	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
63EZHK	GlobalFiler™ (LRmixStudio)					
	13,16.3	22,24	10,11	16,16	8,12	---
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	---	---	18,26.2	7,8	6,9
	15,16	----	---	---	----	
6BNTZ7	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
6F8WW4	GlobalFiler™ Direct (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
6GJDC3	PowerPlex® 21					
	13,16.3	22,24		16,16	8,12	13,24
1	10,11	11,12		18,22	11,12	11,11
	16,18	13,15	29,30		X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
6KJUH6	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
6LZEPR	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

6UGHR8	Investigator® 24plex IQS					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
7E62L7	Investigator® 24plex GO!					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
7EARX2	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
7FZKPR	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
7MKCXC	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
7N6Y3D	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
7NAJ62	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

7RYP36	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
7VEGRD	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
7ZTUW7	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8AULUY	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8DNCTD	PowerPlex® 21					
	13,16.3	22,24		16	8,12	13,24
1	10,11	11,12		18,22	11,12	11
	16,18	13,15	29,30		X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
8E4XTK	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8K943W	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	

TABLE 1

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

Item 1 - STR Results

8MZXR	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8WMRJA	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
8Y94ZL	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	no results			no results	
92PHNY	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	[10],11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
92UUP3	GlobalFiler™ Direct					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
936LXJ	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
9GJM2H	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	N/A
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	

TABLE 1

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

Item 1 - STR Results

9JTXM7	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	--
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	--	--	18,26.2	7,8	6,9
	15,16	--	--	--	--	
9MNPHW	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	-	-	18,26.2	7,8	6,9
	15,16	-	-	-	-	
9UQXL4	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
9WGY6Y	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	-			-	
A4R9LL	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
A4UDJN	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
ACNHCP	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

AD6R8B	GlobalFiler™ Direct (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
AG6XN3	GlobalFiler™ Direct					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
AKWA7R	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
ARH6K3	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
AU3VR9	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
AVW98T	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
B2KKTU	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	-	-	18,26.2	7,8	6,9
	15,16	-	-	-	-	-

TABLE 1

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

Item 1 - STR Results

B3GXTU	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
BCGU7V	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
BGBQT2	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
BLM26Y	Investigator® 24plex GO!					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
BP3TT7	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
BRRYD3	Investigator® 24plex					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NAO				
BVRDWL	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

BYZTY6	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
BZD8H8	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
CA4BER	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 27comp					
	13,16.3	22,24	10,11	16	8,12	13,24
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	XX	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
CADA73	GlobalFiler™ Direct (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
CARNLY	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
CRVBWX	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
D2GWLT	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

D3KUB2	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
DLKK6C	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
DTX7RF	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
DYVZAV	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
EB2MJ6	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
EFRB9D	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
EHU7WM	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

EVFKVF	PowerPlex® Fusion 5C						
		13,16.3	22,24	10,11	16,16	8,12	
	1	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23	10,11	12,15		7,8	6,9
	15,16						
EVPRKC	PowerPlex® Fusion						
		13,16.3	22,24	10,11	16	8,12	
	1	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15		7,8	6,9
	15,16						
F29J8V	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	1	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
FEB8YP	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	1	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
FXGB99	Investigator® 24plex GO!						
		13,16.3	22,24	10,11	16,16	8,12	N/A
	1	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A		
G3FD2L	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	1	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
G3WXT6	PowerPlex® Fusion						
		13,16.3	22,24	10,11	16	8,12	
	1	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15		7,8	6,9
	15,16						

TABLE 1

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

Item 1 - STR Results

G8QVFB	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	No results			No results	
GJLHPX	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
GJXM2W	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	XX	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
GKKHVP	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	0			0	
GNX8VA	GlobalFiler™ Plus					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
GQJCJP	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
GRZJUY	GlobalFiler™ Direct (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

GZMXNY	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
H6EKWC	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16,16	8,12	
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
H7L2TM	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
H9EQFP	Investigator® 24plex Go					
	13,16.3	22,24	10,11	16,16	8,12	
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
HCCC67	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HDVPTN	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HJ6LYJ	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

HJHDRZ	PowerPlex® 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
HL6WTX	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
HPBDA3	GlobalFiler™ Direct (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HX6H44	GlobalFiler™ Direct (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HZ7NE3	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
JKNMXX	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
JL2P7W	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

JQQRR3	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
JZN2FK	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
KBELAC	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
KC79CK	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
KPWZE2	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
KRERYX	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	N/A
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	
KV7WLW	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	--			--	

TABLE 1

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

Item 1 - STR Results

KW9PQA	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
LH98CV	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	N/A
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	
LP4AFR	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
LUJBNX	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
LV3VUV	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
LXXFAT	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
M2GRRV	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

M3BDM9	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
MAB62N	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16	-				
MJFF8E	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
MKPWBY	NGM SElect					
	13,16.3	22,24	10,11	16,16		
1			11,12	18,22		11,11
	16,18	13,15	29,30	11,16	XX	
	20,23			18,26.2	7,8	
	15,16					
MPKQ9Z	Investigator® 24plex GO!					
	13,16.3	22,24	10,11	16,16	8,12	N/A
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	
MU3DA6	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
MXN2PC	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

N79QTP	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
N8K4C2	GlobalFiler™ CASEWORK					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
NDUNQD	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
NH9EZE	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16					
NHQ6BJ	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	--			--	
NJE8RM	Investigator® 24plex GO!					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
NMA7X6	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

NPQHBM	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
NRCUR2	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	NA		NA		
NXDLYN	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR		NR		
P33BND	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
P4KNHN	GlobalFiler™ Direct					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
PBJPT6	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
PEXWYV	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

PFD3UD	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
PQA4XG	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
Q7MR4H	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
QKGTC6	PowerPlex® 16 HS					
				16,16	8,12	
1	10,11	11,12			11,12	11,11
	16,18		29,30		X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
R7U7GW	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	N/A
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	
T67EDC	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
TC67FE	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

TDEGDD	Investigator® 24plex GO!					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
TMDC9M	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
TQZVAK	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
TRETUB	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
UQKLZP	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
UT862M	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
UXB8TG	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	

TABLE 1

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

Item 1 - STR Results

UXJ4J9	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
UXKMJ6	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
V3JFPY	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
VCCNAP	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	No results			No Results	
VD7R2H	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
VDMDT2	NGM SElect					
	13,16.3	22,24	10,11	16,16		
1		11,12	11,12	18,22		11,11
	16,18	13,15	29,30	11,16	XX	
	20,23			18,26.2	7,8	
	15,16					
VHV7U6	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

VHVZ3W	Identifiler®					
		22,24		16,16	8,12	
1		10,11	11,12		11,12	11,11
		16,18	13,15	29,30	X,X	10,10
		20,23			7,8	6,9
		15,16				
VPGQTX	PowerPlex® 5C					
		13,16.3	22,24	10,11	16,16	8,12
1		10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23	10,11	12,15		7,8
		15,16				6,9
VWZWLY	PowerPlex® Fusion 6C (STRmix)					
		13,16.3	22,24	10,11	16	8,12
1		10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X
		20,23	10,11	12,15	18,26.2	7,8
		15,16				6,9
VY7UEK	PowerPlex® Fusion 6C					
		13,16.3	22,24	10,11	16	8,12
1		10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X
		20,23	10,11	12,15	18,26.2	7,8
		15,16				6,9
W974XF	GlobalFiler™ Express					
		13,16.3	22,24	10,11	16,16	8,12
1		10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23			18,26.2	7,8
		15,16	NR			6,9
						NR
WHYCJ7	GlobalFiler™ Express					
		13,16.3	22,24	10,11	16,16	8,12
1		10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23			18,26.2	7,8
		15,16	NR			6,9
						NR
WMCYGH	PowerPlex® Fusion 6C (STRmix)					
		13,16.3	22,24	10,11	16	8,12
1		10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X
		20,23	10,11	12,15	18,26.2	7,8
		15,16				6,9

TABLE 1

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

Item 1 - STR Results

WN3LRE	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
X9Q4GC	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
XCQ2G4	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16	ND	ND	ND		
XFFHWV	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
XH9GLA	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
XLTYRF	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
XPUZY4	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	

TABLE 1

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

Item 1 - STR Results

XZBHCE	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
Y3QTKX	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
YERQWH	GlobalFiler™ Direct					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
YHMX6N	GlobalFiler™ (TrueAllele)					
	13,16.3	22,24	10,11	16,16	8,12	
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
YKG7MB	GlobalFiler™ Direct					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
YPPGPD	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	No Result		No Result		
YREMAA	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

YREZG3	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
YTJ4XL	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	XX	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
YZRUPD	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
Z3ARNP	VeriFiler Plus					
	13,16.3	22,24	10,11	16,16	8,12	13,24
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
Z42V7W	PowerPlex® ESX-17					
	13,16.3	22,24	10,11	16		
1		11,12	11,12	18,22		11
	16,18	13,15	29,30	11,16	X	
	20,23			18,26.2	7,8	
	15,16					
Z7A8NX	PowerPlex® 21					
	13,16.3	22,24		16	8,12	13,24
1	10,11	11,12		18,22	11,12	11
	16,18	13,15	29,30		X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
ZACH3R	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 1 - STR Results

ZBGBGX	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
ZGUV3B	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
ZXENM9	GlobalFiler™ Express					
	13,16.3	22,24	10,11	16,16	8,12	
1	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	-			-	
ZZRAH4	NGM SElect					
	13,16.3	22,24	10,11	16,16		
1		11,12	11,12	18,22		11,11
	16,18	13,15	29,30	11,16	X,X	
	20,23			18,26.2	7,8	
	15,16					

TABLE 1

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

Item 2 - STR Results

26CAYP	GlobalFiler™ Plus (Genemapper ID-x)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
2BZD26	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
2CRZC3	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
2QPU4B	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
2W8LJP	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
2XRYZ2	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
34GCFZ	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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

34YEBF	GlobalFiler™ (STRMix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
3BHMTK	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
3JCRLL	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
3PB6YP	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
3QLGLD	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
3T39J3	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
3UDFDH	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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

3VPU6Y	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
48Q7E6	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
4FKB87	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
4HURWJ	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
4PX8MX	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
4XQDPC	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
62XVTR	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

63EZHK	GlobalFiler™ (LRmixStudio)						
		13,15	17,20	10,11	17,17	11,12	---
	2	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22	---	---	15,24.2	7,7	8,8
	14,18	10	---	---	2		
6BNTZ7	GlobalFiler™ Express						
		13,15	17,20	10,11	17,17	11,12	
	2	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
6F8WW4	GlobalFiler™ Direct (STRmix)						
		13,15	17,20	10,11	17	11,12	
	2	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
6GJDC3	PowerPlex® 21						
		13,15	17,20		17,17	11,12	11,19
	2	10,11	12,15		23,23	11,12	11,14
		12,14	13,15	31,31		X,Y	10,12
		20,22	9,13	7,12		7,7	8,8
	14,18						
6KJUH6	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	2	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
6LZEPR	PowerPlex® Fusion 6C						
		13,15	17,20	10,11	17	11,12	
	2	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17			
6UGHR8	Investigator® 24plex IQS						
		13,15	17,20	10,11	17,17	11,12	
	2	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	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

7E62L7	Investigator® 24plex GO!					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
7EARX2	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
7FZKPR	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
7MKCXC	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
7N6Y3D	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
7NAJ62	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
7RYP36	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

7VEGRD	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
7ZTUW7	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
8AULUY	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
8DNCTD	PowerPlex® 21					
	13,15	17,20		17	11,12	11,19
2	10,11	12,15		23	11,12	11,14
	12,14	13,15	31		X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18					
8E4XTK	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
8K943W	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
8MZXR	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

8WMRJA	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
8Y94ZL	GlobalFiler™ Express					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
92PHNY	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
92UUP3	GlobalFiler™ Direct					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
936LXJ	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
9GJM2H	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
9JTXM7	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	--
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	--	--	15,24.2	7,7	8,8
	14,18	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

9MNPHW	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	-	-	15,24.2	7	8
	14,18	10	-	-	2	
9UQXL4	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
9WGY6Y	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
A4R9LL	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
A4UDJN	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
ACNHCP	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
AD6R8B	GlobalFiler™ Direct (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

AG6XN3	GlobalFiler™ Direct					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
AKWA7R	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
ARH6K3	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
AU3VR9	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
AVW98T	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
B2KKTU	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	-	-	15,24.2	7	8
	14,18	10	-	-	2	
B3GXTU	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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

BCGU7V	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
BGBQT2	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
BLM26Y	Investigator® 24plex GO!					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
BP3TT7	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17		
BRRYD3	Investigator® 24plex					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
BVRDWL	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
BYZTY6	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

BZD8H8	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
CA4BER	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 27comp					
	13,15	17,20	10,11	17	11,12	11,19
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17	2	
CADA73	GlobalFiler™ Direct (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
CARNLY	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
CRVBWX	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
D2GWLT	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
D3KUB2	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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

DLKK6C	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
DTX7RF	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
DYVZAV	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
EB2MJ6	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
EFRB9D	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
EHU7WM	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
EVFKVF	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	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

EVPRKC	PowerPlex® Fusion					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22	9,13	7,12		7 8
	14,18	10				
F29J8V	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
FEB8YP	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
FXGB99	Investigator® 24plex GO!					
		13,15	17,20	10,11	17,17	11,12 N/A
	2	10,11	12,15	13,14	23,23	11,12 11,14
		12,14	13,15	31,31	15,15	X,Y 10,12
		20,22	N/A	N/A	15,24.2	7,7 8,8
	14,18	10	N/A	N/A	N/A	
G3FD2L	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
G3WXT6	PowerPlex® Fusion					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22	9,13	7,12		7 8
	14,18	10				
G8QVFB	GlobalFiler™ Express					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	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

GJLHPX	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
GJXM2W	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
GKKHVP	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
GNX8VA	GlobalFiler™ Plus					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
GQJCJP	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
GRZJUY	GlobalFiler™ Direct (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
GZMXNY	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

H6EKWC	PowerPlex® Fusion					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
H7L2TM	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
H9EQFP	Investigator® 24plex Go					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
HCCC67	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HDVPTN	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HJ6LYJ	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HJHDRZ	PowerPlex® 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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

HL6WTX	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
HPBDA3	GlobalFiler™ Direct (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HX6H44	GlobalFiler™ Direct (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HZ7NE3	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
JKNMXX	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17		
JL2P7W	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
JQQRR3	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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

JZN2FK	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
KBELAC	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
KC79CK	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
KPWZE2	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
KRERYX	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
KV7WLW	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
KW9PQA	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	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

LH98CV	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
LP4AFR	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
LUJBNX	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
LV3VUV	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
LXXFAT	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
M2GRRV	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17		
M3BDM9	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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

MAB62N	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
MJFF8E	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
MKPWBY	NGM SElect					
	13,15	17,20	10,11	17,17		
2		12,15	13,14	23,23		11,14
	12,14	13,15	31,31	15,15	X,Y	
	20,22			15,24.2	7,7	
	14,18					
MPKQ9Z	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
MU3DA6	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
MXN2PC	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
N79QTP	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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

N8K4C2	GlobalFiler™ CASEWORK					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
NDUNQD	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
NH9EZE	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
NHQ6BJ	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
NJE8RM	Investigator® 24plex GO!					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
NMA7X6	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
NPQHBM	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

NRCUR2	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
NXDLYN	GlobalFiler™					
		13,15	17,20	10,11	17,17	11,12
	2	10,11	12,15	13,14	23,23	11,12 11,14
		12,14	13,15	31,31	15,15	X,Y 10,12
		20,22			15,24.2	7,7 8,8
	14,18	10			2	
P33BND	PowerPlex® Fusion 5C					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22	9,13	7,12		7 8
	14,18	10				
P4KNHN	GlobalFiler™ Direct					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
PBJPT6	GlobalFiler™ Express					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
PEXWYV	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22			15,24.2	7 8
	14,18	10			2	
PFD3UD	PowerPlex® Fusion 5C					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12 11,14
		12,14	13,15	31	15	X,Y 10,12
		20,22	9,13	7,12		7 8
	14,18	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

PQA4XG	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
Q7MR4H	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
KKGTC6	PowerPlex® 16 HS					
				17,17	11,12	
2	10,11	12,15			11,12	11,14
	12,14		31,31		X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18					
R7U7GW	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
T67EDC	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
TC67FE	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
TDEGDD	Investigator® 24plex GO!					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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

TMDC9M	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17		
TQZVAK	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
TRETUB	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
UQKLZP	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
UT862M	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
UXB8TG	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
UXJ4J9	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

UXKMJ6	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
V3JFPY	GlobalFiler™ Express					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
VCCNAP	GlobalFiler™ Express					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
VD7R2H	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
VDMDT2	NGM SElect					
	13,15	17,20	10,11	17,17		
2		12,15	13,14	23,23		11,14
	12,14	13,15	31,31	15,15	X,Y	
	20,22			15,24.2	7,7	
	14,18					
VHV7U6	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
VHVZ3W	Identifiler®					
		17,20		17,17	11,12	
2	10,11	12,15			11,12	11,14
	12,14	13,15	31,31		X,Y	10,12
	20,22				7,7	8,8
	14,18					

TABLE 1

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

Item 2 - STR Results

VPGQTX	PowerPlex® 5C					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
VZWLY	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
VY7UEK	PowerPlex® Fusion 6C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
W974XF	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
WHYCJ7	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
WMCYGH	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
WN3LRE	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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

X9Q4GC	GlobalFiler™ Express					
		13,15	17,20	10,11	17,17	11,12
	2	10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
	14,18	10			2	
XCQ2G4	PowerPlex® Fusion 6C					
		13,15	17,20	10,11	17,17	11,12
	2	10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22	9,13	7,12	15,24.2	7,7
	14,18	10	18	17		
XFFHWV	GlobalFiler™					
		13,15	17,20	10,11	17,17	11,12
	2	10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
	14,18	10			2	
XH9GLA	PowerPlex® Fusion 6C (STRmix)					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22	9,13	7,12	15,24.2	7
	14,18	10	18	17	8	
XLTYRF	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
	14,18	10			2	
XPUZY4	GlobalFiler™ Express					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
	14,18	10			2	
XZBHCE	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	2	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
	14,18	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

Y3QTKX	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
YERQWH	GlobalFiler™ Direct					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
YHMX6N	GlobalFiler™ (TrueAllele)					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
YKG7MB	GlobalFiler™ Direct					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
YPPGPD	GlobalFiler™ Express					
	13,15	17,20	10,11	17,17	11,12	
2	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
YREMAA	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
YREZG3	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
2	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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

YTJ4XL	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
2		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18	10			8
						2
YZRUPD	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
2		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18	10			8
						2
Z3ARNP	VeriFiler Plus					
		13,15	17,20	10,11	17,17	11,12
2		10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22	9,13	7,12		7,7
		14,18				8,8
						2
Z42V7W	PowerPlex® ESX-17					
		13,15	17,20	10,11	17	
2			12,15	13,14	23	11,14
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18				
Z7A8NX	PowerPlex® 21					
		13,15	17,20		17	11,12
2		10,11	12,15		23	11,12
		12,14	13,15	31		X,Y
		20,22	9,13	7,12		7
		14,18				8
ZACH3R	PowerPlex® Fusion					
		13,15	17,20	10,11	17	11,12
2		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22	9,13	7,12		7
		14,18	10			8
ZBGBGX	PowerPlex® Fusion 6C (STRmix)					
		13,15	17,20	10,11	17	11,12
2		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22	9,13	7,12	15,24.2	7
		14,18	10	18	17	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 2 - STR Results

ZGUV3B	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
2		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18	10			8
						2
ZXENM9	GlobalFiler™ Express					
		13,15	17,20	10,11	17,17	11,12
2		10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
		14,18	10			8,8
						2
ZZRAH4	NGM SElect					
		13,15	17,20	10,11	17,17	
2			12,15	13,14	23,23	11,14
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
		14,18				

TABLE 1

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

Item 3 - STR Results

26CAYP	GlobalFiler™ Plus (Genemapper ID-x)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
2BZD26	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
2CRZC3	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
2QPU4B	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	XX	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
2W8LJP	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
2XRYZ2	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
34GCFZ	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

34YEBF	GlobalFiler™ (STRMix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
3BHMTK	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
3JCRLL	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
3PB6YP	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	No Results			No Results	
3QLGLD	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
3T39J3	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
3UDFDH	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

3VPU6Y	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
48Q7E6	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
4FKB87	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
4HURWJ	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
4PX8MX	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
4XQDPC	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
62XVTR	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

63EZHK	GlobalFiler™ (LRmixStudio)					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	---			---	
6BNTZ7	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
6F8WW4	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
6KJUH6	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
6LZEPR	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
6UGHR8	Investigator® 24plex IQS					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
7E62L7	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

7EARX2	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
7FZKPR	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
7MKCXC	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
7N6Y3D	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	XX	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
7NAJ62	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
7RYP36	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
7VEGRD	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

7ZTUW7	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8AULUY	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8DNCTD	PowerPlex® 21					
	13,16.3	22,24		16	8,12	13,24
3	10,11	11,12		18,22	11,12	11
	16,18	13,15	29,30		X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
8E4XTK	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8K943W	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
8MXZ7R	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
8Y94ZL	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	no results			no results	

TABLE 1

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

Item 3 - STR Results

92PHNY	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
92UUP3	GlobalFiler™ (strmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11,12	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
936LXJ	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
9GJM2H	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	N/A
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	
9MNPHW	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	-	-	18,26.2	7,8	6,9
	15,16	-	-	-	-	
9UQXL4	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
9WGY6Y	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	-			-	

TABLE 1

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

Item 3 - STR Results

A4R9LL	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
A4UDJN	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
ACNHCP	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
AD6R8B	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
AG6XN3	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	11,13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
AKWA7R	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
ARH6K3	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

AU3VR9	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
AVW98T	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
B2KKTU	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	-	-	18,26.2	7,8	6,9
	15,16	-	-	-	-	
B3GXTU	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
BCGU7V	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
BGBQT2	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
BLM26Y	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

BP3TT7	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
BRRYD3	Investigator® 24plex					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NAO				
BVRDWL	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
BYZTY6	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
BZD8H8	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
CA4BER	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 27comp					
	13,16.3	22,24	10,11	16	8,12	13,24
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
CADA73	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	9,11,12	11
	16,18	11,13,15	29,30	11,16	X	10
	20,20.2,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

CARNLY	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
CRVBWX	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
D2GWLТ	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
D3KUB2	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
DLKK6C	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
DTX7RF	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
DYVZAV	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
	3 10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

EFRB9D	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
EHU7WM	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16					
EVFKVF	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
EVPRKC	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
F29J8V	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
FEB8YP	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
G3FD2L	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

G3WXT6	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
G8QVFB	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	No results			No results	
GJLHPX	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
GJXM2W	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	XX	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
GKKHVP	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16	0			0	
GNX8VA	GlobalFiler™ Plus					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
GQJCJP	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

GRZJUY	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
GZMXNY	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
H6EKWC	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
H7L2TM	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
H9EQFP	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
HCCC67	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HDVPTN	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

HJ6LYJ	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HJHDRZ	PowerPlex® 5C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
HL6WTX	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
HPBDA3	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16,[17]	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HX6H44	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
HZ7NE3	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
JKNMXX	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	XX	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

JL2P7W	GlobalFiler™ (STRmix)						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23			18,26.2	7,8	6,9
	15,16						
JQQRR3	PowerPlex® Fusion 5C						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15		7,8	6,9
	15,16						
JZN2FK	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
KBELAC	GlobalFiler™						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23			18,26.2	7,8	6,9
	15,16						
KC79CK	PowerPlex® Fusion 6C						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16						
KPWZE2	PowerPlex® Fusion 5C						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15		7,8	6,9
	15,16						
KRERYX	Investigator® 24plex QS						
		13,16.3	22,24	10,11	16,16	8,12	N/A
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A		

TABLE 1

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

Item 3 - STR Results

KV7WLW	GlobalFiler™ (STRmix)						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23			18,26.2	7,8	6,9
		15,16	--			--	
KW9PQA	PowerPlex® Fusion 5C						
		13,16.3	20,22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23	10,11	12,15		7,8	6,9
		15,16					
LH98CV	Investigator® 24plex QS						
		13,16.3	22,24	10,11	16,16	8,12	N/A
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	X,X	10,10
		20,23	N/A	N/A	18,26.2	7,8	6,9
		15,16	N/A	N/A	N/A	N/A	
LP4AFR	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X,X	10
		20,23			18,26.2	7,8	6,9
		15,16	NM			NM	
LUJBNX	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
		15,16					
LV3VUV	PowerPlex® Fusion 6C						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15	18,26.2	7,8	6,9
		15,16					
LXXFAT	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
		15,16					

TABLE 1

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

Item 3 - STR Results

M2GRRV	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
M3BDM9	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
MAB62N	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16	-				
MJFF8E	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
MKPWBY	NGM SElect					
	13,16.3	22,24	10,11	16,16		
3		11,12	11,12	18,22		11,11
	16,18	13,15	29,30	11,16	X,X	
	20,23			18,26.2	7,8	
	15,16					
MPKQ9Z	Investigator® 24plex QS					
	13,16.3	22,24	10,11	16,16	8,12	N/A
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A	
MU3DA6	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

MXN2PC	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
N79QTP	GlobalFiler™						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	XX	10,10
		20,23			18,26.2	7,8	6,9
	15,16	NR			NR		
N8K4C2	GlobalFiler™ CASEWORK						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	XX	10,10
		20,23			18,26.2	7,8	6,9
	15,16						
NDUNQD	PowerPlex® Fusion						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15		7,8	6,9
	15,16						
NH9EZE	GlobalFiler™ (STRmix v2.9.1)						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	XX	10
		20,23			18,26.2	7,8	6,9
	15,16						
NHQ6BJ	GlobalFiler™ (STRmix)						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	XX	10,10
		20,23			18,26.2	7,8	6,9
	15,16	--			--		
NJE8RM	Investigator® 24plex QS						
		13,16.3	22,24	10,11	16,16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	XX	10,10
		20,23			18,26.2	7,8	6,9
	15,16						

TABLE 1

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

Item 3 - STR Results

NMA7X6	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
NPQHBM	GlobalFiler™ (STRMix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16,17	X	10
	20,23			18,19,26.2	7,8	6,9
	15,16					
NRCUR2	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	NA			NA	
NXDLYN	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
P33BND	PowerPlex® Fusion 5C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16	NR				
P4KNHN	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
PBJPT6	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

PEXWVY	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
PFD3UD	PowerPlex® Fusion 5C						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15		7,8	6,9
	15,16						
PQA4XG	PowerPlex® Fusion 6C						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16						
Q2VHXQ	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
Q7MR4H	GlobalFiler™						
		13,16.3	22,24	10,11	16	8,12	
	3	10,11	11,12	11,12	18,22	11,12	11
		16,18	13,15	29,30	11,16	X	10
		20,23			18,26.2	7,8	6,9
	15,16						
KKGTC6	PowerPlex® 16 HS						
				16,16	8,12		
	3	10,11	11,12		11,12	11,11	
		16,18		29,30	XX	10,10	
		20,23	10,11	12,15	7,8	6,9	
	15,16						
R7U7GW	Investigator® 24plex QS						
		13,16.3	22,24	10,11	16,16	8,12	N/A
	3	10,11	11,12	11,12	18,22	11,12	11,11
		16,18	13,15	29,30	11,16	XX	10,10
		20,23	N/A	N/A	18,26.2	7,8	6,9
	15,16	N/A	N/A	N/A	N/A		

TABLE 1

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

Item 3 - STR Results

T67EDC	GlobalFiler™ (STRmix)					
		13,16.3	22,24	10,11	16,16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23			18,26.2	7,8
	15,16				6,9	
TC67FE	GlobalFiler™					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X
		20,23			18,26.2	7,8
	15,16				6,9	
TDEGDD	Investigator® 24plex IQS					
		13,16.3	22,24	10,11	16,16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23			18,26.2	7,8
	15,16				6,9	
TMDC9M	PowerPlex® Fusion 6C					
		13,16.3	22,24	10,11	16,16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23	10,11	12,15	18,26.2	7,8
	15,16				6,9	
TQZVAK	GlobalFiler™					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X,X
		20,23			18,26.2	7,8
	15,16	NM			NM	
TRETUB	GlobalFiler™					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X
		20,23			18,26.2	7,8
	15,16				6,9	
UQKLZP	PowerPlex® Fusion 5C					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12
		16,18	13,15	29,30	11,16	X
		20,23	10,11	12,15		7,8
	15,16				6,9	

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 3 - STR Results

UT862M	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
UXB8TG	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
UXJ4J9	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
UXKMJ6	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
V3JFPY	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
VCCNAP	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16	No Results			No Results	
VD7R2H	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	

TABLE 1

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

Item 3 - STR Results

VDMDT2	NGM SElect					
	13,16.3	22,24	10,11	16,16		
3		11,12	11,12	18,22		11,11
	16,18	13,15	29,30	11,16	X,X	
	20,23			18,26.2	7,8	
	15,16					
VHV7U6	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
VPGQTX	PowerPlex® 5C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
VZWLY	PowerPlex® Fusion 6C (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
VY7UEK	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
VYZND	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
W974XF	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	

TABLE 1

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

Item 3 - STR Results

WHYCJ7	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
WMCYGH	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
WN3LRE	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
X9Q4GC	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	NR			NR	
XCQ2G4	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16	ND	ND	ND		
XFFHWV	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
XH9GLA	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

XLTYRF	GlobalFiler™					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12 11
		16,18	13,15	29,30	11,16	X,X 10
		20,23			18,26.2	7,8 6,9
	15,16	NM			NM	
XPUZY4	PowerPlex® Fusion					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12 11
		16,18	13,15	29,30	11,16	X 10
		20,23	10,11	12,15		7,8 6,9
	15,16	NR				
XZBHCE	GlobalFiler™					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12 11
		16,18	13,15	29,30	11,16	X 10
		20,23			18,26.2	7,8 6,9
	15,16					
Y3QTKX	PowerPlex® Fusion 5C					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12 11
		16,18	13,15	29,30	11,16	X 10
		20,23	10,11	12,15		7,8 6,9
	15,16	NR				
YERQWH	GlobalFiler™ (STRmix)					
		13,16.3	22,24	10,11	16	8,10,12
	3	10,11	11,12	11,12	18,22	11,12 11
		16,18	13,15	29,30	11,16,17	X 10
		20,23			18,26.2	7,8 6,9
	15,16					
YHMX6N	GlobalFiler™ (TrueAllele)					
		13,16.3	22,24	10,11	16,16	8,12
	3	10,11	11,12	11,12	18,22	11,12 11,11
		16,18	13,15	29,30	11,16	X,X 10,10
		20,23			18,26.2	7,8 6,9
	15,16					
YKG7MB	GlobalFiler™ (STRmix)					
		13,16.3	22,24	10,11	16	8,12
	3	10,11	11,12	11,12	18,22	11,12 11
		16,18	13,15	29,30	11,16,17	X 10
		20,23			17.2,18,26.2	7,8 6,9
	15,16					

TABLE 1

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

Item 3 - STR Results

YPPGPD	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	No Result			No Result	
YREMAA	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
YREZG3	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
YTJ4XL	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23			18,26.2	7,8	6,9
	15,16	NM			NM	
YZRUPD	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
Z3ARNP	VeriFiler					
	13,16.3	22,24	10,11	16,16	8,12	13,24
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
Z42V7W	PowerPlex® ESX-17					
	13,16.3	22,24	10,11	16		
3		11,12	11,12	18,22		11
	16,18	13,15	29,30	11,16	X	
	20,23			18,26.2	7,8	
	15,16					

TABLE 1

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

Item 3 - STR Results

Z7A8NX	PowerPlex® 21					
	13,16.3	22,24		16	8,12	13,24
3	10,11	11,12		18,22	11,12	11
	16,18	13,15	29,30		X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
ZACH3R	PowerPlex® Fusion					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15		7,8	6,9
	15,16					
ZBGBGX	PowerPlex® Fusion 6C					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
ZGUV3B	GlobalFiler™					
	13,16.3	22,24	10,11	16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X	10
	20,23			18,26.2	7,8	6,9
	15,16					
ZXENM9	GlobalFiler™					
	13,16.3	22,24	10,11	16,16	8,12	
3	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16	-			-	
ZZRAH4	NGM SElect					
	13,16.3	22,24	10,11	16		
3		11,12	11,12	18,22		11
	16,18	13,15	29,30	11,16	X,X	
	20,23			18,26.2	7,8	
	15,16					

TABLE 1

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

Item 3e - STR Results

6GJDC3	PowerPlex® 21					
	13,16.3	22,24		16,16	8,12	13,24
3e	10,11	11,12		18,22	11,12	11,11
	16,18	13,15	29,30		X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
8WMRJA	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	
3e	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23			18,26.2	7,8	6,9
	15,16					
9JTXM7	GlobalFiler™ (STRmix)					
	13,16.3	22,24	10,11	16,16	8,12	--
3e	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	--	--	18,26.2	7,8	6,9
	15,16	--	--	--	--	--
VHVZ3W	Identifiler®					
3e						

TABLE 1

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

6GJDC3 PowerPlex® 21

3sp

8WMRJA GlobalFiler™ (STRmix)

3sp

9JTXM7 GlobalFiler™ (STRmix)

3sp

VHVZ3W Identifiler®

		22,24		16,16		8,12	
3sp	10,11	11,12				11,12	11,11
	16,18	13,15	29,30			X,X	10,10
	20,23					7,8	6,9
	15,16						

TABLE 1

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

Item 4 - STR Results

62XVTR	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4	10,11	11,12,15	11,12,13,14	18,22,23	11,12
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
7FZKPR	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4	10,11	11,12,15	11,12,13,14	18,22,23	11,12
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
8DNCTD	PowerPlex® 21					
	13,15,16.3	17,20,22,24		16,17	8,11,12	11,13,19,24
	4	10,11	11,12,15		18,22,23	11,12
	12,14,16,18	13,15	29,30,31		X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18					
BP3TT7	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4	10,11	11,12,15	11,12,13,14	18,22,23	11,12
	12,14,16,18	13,15	29,30,31	11,15	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
BVRDWL	PowerPlex® Fusion 6C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4	10,11	11,12,15	11,12,13,14	18,22,23	11,12
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
JKNMXX	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4	10,11	11,12,15	11,12,13,14	18,22,23	11,12
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
KBELAC	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4	10,11	11,12,15	11,12,13,14	18,22,23	11,12
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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

M2GRRV	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
TMDC9M	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4	10,11	11,12,15	11,12,13,14	18,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
VDMDT2	NGM SElect					
	13,15,16.3	17,20,22,24	10,11	16,17		
4		11,12,15	11,12,13,14	18,22,23		11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	
	20,22,23			15,18,24.2,26.2	7,8	
	14,15,16,18					
Z3ARNP	VeriFiler					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	11,13,19,24
4	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18				2	
ZZRAH4	NGM SElect					
	13,15,16.3	17,20,22,24	10,11	16,17		
4		11,12,15	11,12,13,14	18,22,23		11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	
	20,22,23			15,18,24.2,26.2	7,8	
	14,15,16,18					

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 4e - STR Results

26CAYP	GlobalFiler™ Plus (Genemapper ID-x)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
2BZD26	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
2CRZC3	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
2QPU4B	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
2W8LJP	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
2XRYZ2	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
34GCFZ	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	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 4e - STR Results

34YEBF	GlobalFiler™ (STRMix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
3BHMTK	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
3JCRLL	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
3PB6YP	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
3QLGLD	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,[14]
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
3T39J3	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
3UDFDH	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	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 4e - STR Results

3VPU6Y	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
48Q7E6	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
4FKB87	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
4HURWJ	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
4PX8MX	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
4XQDPC	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31,32	11,15,16,17	X,Y	10,12
	20,22,23			15,16,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
63EZHK	GlobalFiler™ (LRmixStudio)					
	13,16.3	22,24	10,11	16,16	8,12	---
4e	10,11	11,12	11,12	18,22	11,12	11,11
	16,18	13,15	29,30	11,16	X,X	10,10
	20,23	---	---	18,26.2	7,8	6,9
	15,16	---	---	---	---	---

TABLE 1

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

Item 4e - STR Results

6BNTZ7	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
6F8WW4	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,13,14
	12,14,16,18	13,15	29,30,31	11,15,16,17	X,Y	10,12
	20,22,23			15,17.2,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
6GJDC3	PowerPlex® 21 (STRmix)					
	13,15,16.3	17,20,22,24		16,17	8,11,12	11,13,19,24
4e	10,11	11,12,15		18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31		X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18					
6KJUH6	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
6LZEPR	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
6UGHR8	Investigator® 24plex IQS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10				
7E62L7	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

7EARX2	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
7MKCXC	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
7N6Y3D	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
7NAJ62	PowerPlex® Fusion 5C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
7RYP36	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
7VEGRD	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
7ZTUW7	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

8AULUY	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
8E4XTK	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
8K943W	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
8MZXR	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
8WMRJA	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
8Y94ZL	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
92PHNY	GlobalFiler™					
	13,[15],[16.3]	[17],[20],22,24	10,11	16,[17]	8,[11],12	
4e	10,11	11,12,[15]	11,12,[13],[14]	18,22,[23]	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,[Y]	10,[12]
	20,[22],23			[15],18,[24.2],26.2	7,8	6,[8],9
	[14],15,16,[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 4e - STR Results

92UUP3	GlobalFiler™ (strmix)					
	13,15,16.3	17,20,21,22,24	10,11	16,17	8,11,12,13	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
936LXJ	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
9GJM2H	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	N/A
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	N/A	N/A	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	N/A	N/A	N/A	
9JTXM7	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	--
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	--	--	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	--	--	2	
9MNPHW	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	-	-	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	-	-	2	
9UQXL4	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,[17]	8,12	
4e	10,11	11,12,[15]	11,12	18,22,[23]	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,[31]	11,[15],16	X,[Y]	10,10
	20,[22],23			[15],18,[24.2],26.2	7,[8]	6,[8],9
	[14],15,16,[18]	10			2	
9WGY6Y	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

A4R9LL	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
A4UDJN	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
ACNHCP	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
AD6R8B	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,21,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,11,12
	20,22,23			14.2,15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
AG6XN3	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12,13	
4e	10,11,12	11,12,15	11,12,13,14	18,22,23	11,12	11,14,15
	12,14,16,18	11,13,15	29,30,31,32	11,15,16	X,Y	10,11,12
	20,22,23			15,18,24.2,26.2	4,7,8	6,8,9
	14,15,16,18	10			2	
AKWA7R	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
ARH6K3	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	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 4e - STR Results

AU3VR9	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
AVW98T	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
B2KKTU	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	-	-	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	-	-	2	
B3GXTU	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
BCGU7V	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,[17]	8,[11],12	
4e	10,11	11,12,[15]	11,12,[13],[14]	18,22,23	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,[Y]	10,[12]
	20,[22],23			[15],18,[24.2],26.2	7,8	6,8,9
	[14],15,16,[18]	10			2	
BGBQT2	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
BLM26Y	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

BRRYD3	Investigator® 24plex					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10				
BYZTY6	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16,17	X,Y	10,11,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
BZD8H8	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
CA4BER	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 27comp					
	13,16.3	22,24	10,11	16	8,12	13,24
4e	10,11	11,12	11,12	18,22	11,12	11
	16,18	13,15	29,30	11,16	X,X	10
	20,23	10,11	12,15	18,26.2	7,8	6,9
	15,16					
CADA73	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
CARNLY	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
CRVBWX	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

D2GWL	GlobalFiler™ (STRmix)					
	12,13,15,16.3,Q	17,20,21,22,23,24, Q	10,11,Q	15,16,17,Q	8,11,12,Q	
4e	9,10,11,Q	10,11,12,15,Q	11,12,13,14,Q	18,22,23,Q	10,11,12,Q	10,11,14,Q
	12,14,15,16,17,18, Q	12,13,14,15,Q	29,30,31,Q	11,14,15,16,Q	X,Y	10,12,Q
	19,20,22,23,Q			15,17,18,24.2,25.2,2 6.2,Q	7,8,Q	6,8,9,Q
	14,15,16,17,18,Q	10			2	
D3KUB2	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,[17]	8,[11],12	
4e	10,11	11,12,[15]	11,12,[13],[14]	18,22,[23]	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,[31]	11,15,16	X,[Y]	10,[12]
	20,[22],23			[15],18,[24.2],26.2	7,8	6,[8],9
	[14],15,16,[18]	10			2	
DLKK6C	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
DTX7RF	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
DYZAV	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
EFRB9D	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	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 4e - STR Results

EHU7WM	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
EVFKVF	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,13,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
14,15,16,18	10					
EVPRKC	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
14,15,16,18	10					
F29J8V	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
FEB8YP	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
G3FD2L	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
G3WXT6	PowerPlex® Fusion					
	13,15,[16.3]	17,20,[22,24]	10,11	[16],17	[8],11,12	
	4e 10,11	[11],12,15	[11,12],13,14	[18,22],23	11,12	11,14
	12,14,[16,18]	13,15	[29,30],31	[11],15,[16]	X,Y	10,12
	20,22,[23]	9,[10,11],13	7,12,[15]		7,[8]	[6],8,[9]
14,[15,16],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 4e - STR Results

G8QVFB	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
GJLHPX	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
GJXM2W	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
GKKHVP	GlobalFiler™					
	13,[15],16.3,[NR]	[17,20],22,24	10,11,[NR,NR]	16,16,[17,NR]	8,[11],12,[NR]	
4e	10,11,[NR,NR]	11,12,[NR,15]	11,12,[13,14]	18,22,[23,NR]	11,12,[NR,NR]	11,11,[NR,14]
	[12,14],16,18	13,15,[NR,NR]	29,30,[31,31]	11,[15,15],16	X,X,[X,Y]	10,10,[NR,NR]
	20,[22],23,[NR]			[15],18,[24.2],26.2	7,8,[NR,NR]	6,[8],9,[NR]
	[14],15,16,[18]	0 [10]			0 [2]	
GNX8VA	GlobalFiler™ Plus					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
GQJCJP	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
GRZJUY	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,17,18	10			2	

TABLE 1

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

Item 4e - STR Results

GZMXNY	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
H6EKWC	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
14,15,16,18	10					
H7L2TM	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
H9EQFP	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10					
HCCC67	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
HDVPTN	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
HJ6LYJ	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	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 4e - STR Results

HJHDRZ	PowerPlex® 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
HL6WTX	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
HPBDA3	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12,13	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,13,14
	12,14,16,18	13,15	29,30,31	11,15,16,17	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
HX6H44	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
HZ7NE3	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
JL2P7W	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
JQQRR3	PowerPlex® Fusion 5C					
	13,15,[16.3]	17,20,[22,24]	10,11	[16],17	[8],11,12	
4e	10,11	[11],12,15	[11,12],13,14	[18,22],23	11,12	11,14
	12,14,[16,18]	13,15	[29,30],31	[11],15,[16]	X,Y	10,12
	20,22,[23]	9,[10,11],13	7,12,[15]		7,[8]	[6],8,[9]
	14,[15,16],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 4e - STR Results

JZN2FK	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
KC79CK	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
KPWZE2	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
KRERYX	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	N/A
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	N/A	N/A	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	N/A	N/A	N/A	
KV7WLW	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
KW9PQA	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,13,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
LH98CV	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	N/A
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	N/A	N/A	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

LP4AFR	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
LUJBNX	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
LV3VUV	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
LXXFAT	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
M3BDM9	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
MAB62N	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
MJFF8E	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	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 4e - STR Results

MKPWBV	NGM SElect					
	13,15,16.3	17,20,22,24	10,11	16,17		
4e		11,12,15	11,12,13,14	18,23		11,14
	12,14,16,18	13,15	29,31	11,15,16	X,Y	
	20,22,23			15,18,24.2,16.2	7,8	
	14,15,16,18					
MPKQ9Z	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	N/A
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	N/A	N/A	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	N/A	N/A	N/A	
MU3DA6	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
MXN2PC	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,[Y]	10,[12]
	20,22,23			[15],18,[24.2],26.2	7,8	6,8,9
	[14],15,16,[18]	[10]			[2]	
N79QTP	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,[17]	8,[11],12	
4e	10,11	[11],12,[15]	11,12,[13],[14]	18,22,[23]	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,[31]	11,[15],16	X,[Y]	10,[12]
	20,[22],23			[15],18,[24.2],26.2	7,[8]	6,[8],9
	[14],15,16,[18]	10			2	
N8K4C2	GlobalFiler™ CASEWORK					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
NDUNQD	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	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 4e - STR Results

NH9EZE	GlobalFiler™ (STRmix v2.9.1)						
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12		
	4e	9,10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14,Q
	12,14,16,18	13,14,15	29,30,31	11,15,16	X,Y	10,12,Q	
	20,22,23			15,18,24.2,26.2	7,8	6,8,9,Q	
14,15,16,18	10			2			
NHQ6BJ	GlobalFiler™ (STRmix)						
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12		
	4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12	
	20,22,23			15,18,24.2,26.2	7,8	6,8,9	
14,15,16,18	10			2			
NJE8RM	Investigator® 24plex QS						
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12		
	4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12	
	20,22,23			15,18,24.2,26.2	7,8	6,8,9	
14,15,16,18	10						
NMA7X6	PowerPlex® Fusion 5C						
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12		
	4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12	
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9	
14,15,16,18							
NPQHBM	GlobalFiler™ (STRMix)						
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12		
	4e	10,11,12	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12	
	20,22,23			15,18,24.2,26.2	7,8	6,8,9	
14,15,16,17,18	10			2			
NRCUR2	GlobalFiler™						
	13,[14],15,16.3	17,20,22,24	10,11	16,17	[8],[11],12		
	4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,[14]
	12,14,16,18	13,15	29,30,31	11,15,16	X,[Y]	10,[12]	
	20,22,23			15,18,24.2,26.2	7,[8]	6,8,9	
14,15,16,18	10			2			
NXDLYN	GlobalFiler™						
	13,[15],16.3	[17],[20],22,24	10,11	16,[17]	8,[11],12		
	4e	10,11	11,12,[15]	11,12,[13],[14]	18,22,[23]	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,[Y]	10,10	
	20,[22],23			[15],18,[24.2],26.2	7,[8]	6,8,9	
[14],15,16,[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 4e - STR Results

P33BND	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
P4KNHN	GlobalFiler™					
	13,15,16.3	[17],[20],22,24	10,11	16,[17]	8,11,12	
4e	10,11	11,12,[15]	11,12,[13],[14]	18,22,23	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,[Y]	10,[12]
	20,22,23			[15],18,[24.2],26.2	7,8	6,[8],9
	[14],15,16,[18]	10			2	
PBJPT6	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
PEXWYV	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
PFD3UD	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
PQA4XG	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
Q2VHXQ	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

Q7MR4H	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
QKGT6	PowerPlex® 16 HS					
				16,16	8,12	
4e	10,11	11,12			11,12	11,11
	16,18		29,30		X,X	10,10
	20,23	10,11	12,15		7,8	6,9
	15,16					
R7U7GW	Investigator® 24plex QS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	N/A
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	N/A	N/A	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	N/A	N/A	N/A	
T67EDC	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
TC67FE	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
TDEGDD	Investigator® 24plex IQS					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10				
TQZVAK	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

TRETUB	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
UQKLZP	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
UT862M	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
UXB8TG	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,17	8,[11],12	
4e	10,11	11,12,[15]	11,12,13,14	18,22,23	11,12	11,[14]
	[12],14,16,18	13,15	29,30,31	11,15,[16]	X,[Y]	10,[12]
	20,[22],23			[15],18,[24.2],26.2	7,[8]	6,8,9
	[14],15,16,[18]	10			2	
UXJ4J9	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
UXKMJ6	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
V3JFPY	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

VCCNAP	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
VD7R2H	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
VHV7U6	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
VHVZ3W	Identifiler®					
4e						
VPGQTX	PowerPlex® 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
VZWLY	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
VY7UEK	PowerPlex® Fusion 6C (STRMix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		

TABLE 1

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

Item 4e - STR Results

YYVZND	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
W974XF	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
WHYCJ7	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
WMCYGH	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
WN3LRE	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
X9Q4GC	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
XCQ2G4	PowerPlex® Fusion 6C					
	13,[15],16.3	[17],[20],22,24	10,11	16,17	8,[11],12	
4e	10,11	11,12,[15]	11,12,[13],[14]	18,22,23	11,12	11,11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,X,[Y]	10,10,[12]
	20,[22],23	[9],10,11,[13]	[7],12,15	[15],18,[24.2],26.2	7,8	6,[8],9
	[14],15,16,[18]	[10]	[18]	[17]		

TABLE 1

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

Item 4e - STR Results

XFFHWV	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
XH9GLA	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10	18	17			
XLTYRF	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
XPUZY4	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
14,15,16,18	10					
XZBHCE	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
14,15,16,18	10			2		
Y3QTKX	PowerPlex® Fusion 5C					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
14,15,16,18	10					
YERQWH	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12,13	
	4e 10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,16,18,24.2,26.2	7,8	6,8,9
14,15,16,18	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 4e - STR Results

YHMX6N	GlobalFiler™ (TrueAllele)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10		2		
YKG7MB	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,13,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			14.2,15,18,24.2	7,8	6,8,9
	14,15,16,18	10		2		
YPPGPD	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10		2		
YREMAA	GlobalFiler™					
	13,[15],16.3	[17],[20],22,24	10,11	16,[17]	8,[11],12	
	10,11	11,12,[15]	11,12,[13],[14]	18,22,23	11,12	11,[14]
	[12],[14],16,18	13,15	29,30,31	11,15,16	X,[Y]	10,[12]
	20,22,23			[15],18,[24.2],26.2	7,8	6,8,9
	[14],15,16,[18]	10		2		
YREZG3	GlobalFiler™ (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10		2		
YTJ4XL	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10		2		
YZRUPD	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4e - STR Results

Z42V7W	PowerPlex® ESX-17					
	13,15,16.3	17,20,22,24	10,11	16,17		
4e		11,12,15	11,12,13,14	18,22,23		11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	
	20,22,23			15,18,24.2,26.2	7,8	
	14,15,16,18					
Z7A8NX	PowerPlex® 21					
	13,15,16.3	17,20,22,24		16,17	8,11,12	11,13,19,24
4e	10,11	11,12,15		18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31		X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18					
ZACH3R	PowerPlex® Fusion					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15		7,8	6,8,9
	14,15,16,18	10				
ZBGBGX	PowerPlex® Fusion 6C (STRmix)					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23	9,10,11,13	7,12,15	15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10	18	17		
ZGUV3B	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	10			2	
ZXENM9	GlobalFiler™					
	13,15,16.3	17,20,22,24	10,11	16,17	8,11,12	
4e	10,11	11,12,15	11,12,13,14	18,22,23	11,12	11,14
	12,14,16,18	13,15	29,30,31	11,15,16	X,Y	10,12
	20,22,23			15,18,24.2,26.2	7,8	6,8,9
	14,15,16,18	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 4sp - STR Results

26CAYP	GlobalFiler™ Plus (Genemapper ID-x)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
2BZD26	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
2CRZC3	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
2QPU4B	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
2W8LJP	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
2XRYZ2	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
34GCFZ	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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 4sp - STR Results

34YEBF	GlobalFiler™ (STRMix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	22,23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
3BHMTK	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
3JCRLL	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
3PB6YP	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
3QLGLD	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
3T39J3	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
3UDFDH	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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 4sp - STR Results

3VPU6Y	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
48Q7E6	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
4FKB87	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
4HURWJ	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	[8],11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	[11],15	X,Y	10,12
	20,22,[23]	9,13	7,12		7	[6],8
	14,18	10				
4PX8MX	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
4XQDPC	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12,13	
4sp	10,11	12,13,15,16	13,14	22,23	11,12	11,14
	12,14	13,15	31,32	15	X,Y	10,12
	20,22			15,16,24.2	7	8
	14,18,19	10			2	
63EZHK	GlobalFiler™ (LRmixStudio)					
	13,15	17,20	10,11	17,17	11,12	---
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	---	---	15,24.2	7,7	8,8
	14,18	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 4sp - STR Results

6BNTZ7	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
6F8WW4	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
6GJDC3	PowerPlex® 21 (STRmix)					
	13,15	17,20		17,17	11,12	11,19
4sp	10,11	12,15		23,23	11,12	11,14
	12,14	13,15	31,31		X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18					
6KJUH6	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
6LZEPR	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
6UGHR8	Investigator® 24plex IQS					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
7E62L7	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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 4sp - STR Results

7EARX2	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
7MKCXC	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
7N6Y3D	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
7NAJ62	PowerPlex® Fusion 5C (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
7RYP36	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
7VEGRD	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
7ZTUW7	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

8AULUY	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
8E4XTK	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
8K943W	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
8MZXR	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
8WMRJA	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
8Y94ZL	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
92PHNY	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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 4sp - STR Results

92UUP3	GlobalFiler™ (strmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15,16	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18,19	10			2	
936LXJ	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
9GJM2H	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
9JTXM7	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	--
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	--	--	15,24.2	7,7	8,8
	14,18	10	--	--	2	
9MNPHW	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	-	-	15,24.2	7	8
	14,18	10	-	-	2	
9UQXL4	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
9WGY6Y	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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 4sp - STR Results

A4R9LL	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
A4UDJN	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
ACNHCP	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
AD6R8B	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11,12	12,15	13,14	23	11,12	11,13,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
AG6XN3	GlobalFiler™ (STRmix)					
	13,15,16	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,13,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	4,7	8
	14,18	10			2	
AKWA7R	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
ARH6K3	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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 4sp - STR Results

AU3VR9	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
AVW98T	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
B2KKTU	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	-	-	15,24.2	7	8
	14,18	10	-	-	2	
B3GXTU	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
BCGU7V	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
BGBQT2	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
BLM26Y	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	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 4sp - STR Results

BRRYD3	Investigator® 24plex					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
BYZTY6	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11,12	17	11,12	
4sp	10,11	12,15	13,14	22,23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22,23			15,24.2	7	8
	14,18	10			2	
BZD8H8	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
CA4BER	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 27comp					
	13,15	17,20	10,11	17	11,12	11,19
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17	2	
CADA73	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15,16	13,14	22,23	11,12	11,13,14
	12,14	13,15	31,32	15	X,Y	10,12
	20,22			15,24.2	4,7	8
	14,18	10			2	
CARNLY	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
CRVBWX	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

D2GWL	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
D3KUB2	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
DLKK6C	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
DTX7RF	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
DYVZAV	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
EFRB9D	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
EHU7WM	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

EVFKVF	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
EVPRKC	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
F29J8V	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
FEB8YP	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
G3FD2L	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
G3WXT6	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
G8QVFB	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

GJLHPX	PowerPlex® Fusion 6C (STRmix)						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17			
GJXM2W	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
GKKHVP	GlobalFiler™						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
GNX8VA	GlobalFiler™ Plus						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
GQJCJP	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
GRZJUY	GlobalFiler™ (STRmix)						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	22,23	11,12	11,14
		12,14	13,15	30,31	15	X,Y	10,11,12
		20,22			15,24.2	7	8
	14,18,19	10			2		
GZMXNY	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

H6EKWC	PowerPlex® Fusion					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
H7L2TM	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
H9EQFP	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10				
HCCC67	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HDVPTN	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HJ6LYJ	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HJHDRZ	PowerPlex® 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	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 4sp - STR Results

HL6WTX	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
HPBDA3	GlobalFiler™ (STRmix)					
	13,15	17,20	[9.1],10,11	[15],17	11,12	
4sp	10,11	12,15	13,14	23,[24]	11,12	11,14
	12,14	[11],13,15	31	15	X,Y	10,12
	20,22			[14.2],15,24.2	[4],7	8
	14,18	10			2	
HX6H44	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	22,23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
HZ7NE3	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
JL2P7W	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
JQQRR3	PowerPlex® Fusion 5C					
	13,15	17,20,[22,24]	10,11	17	11,12	
4sp	10,11	12,15	[11],13,14	23	11,12	11,14
	12,14,[18]	13,15	31	[11],15	X,Y	10,12
	20,22,[23]	9,13	7,12		7	[6],8
	14,[16],18	10				
JZN2FK	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

KC79CK	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
KPWZE2	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
KRERYX	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
KV7WLW	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
KW9PQA	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
LH98CV	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
LP4AFR	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

LUJBNX	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	4sp	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
	14,18	10			2	8
LV3VUV	PowerPlex® Fusion 6C (STRmix)					
		13,15	17,20	10,11	17	11,12
	4sp	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22	9,13	7,12	15,24.2	7
	14,18	10	18	17		8
LXXFAT	GlobalFiler™					
		13,15	17,20	10,11	17	11,12
	4sp	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
	14,18	10			2	8
M3BDM9	PowerPlex® Fusion					
		13,15	17,20	10,11	17	11,12
	4sp	10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22	9,13	7,12		7
	14,18	10				8
MAB62N	PowerPlex® Fusion 5C					
		13,15	17,20	10,11	17,17	11,12
	4sp	10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22	9,13	7,12		7,7
	14,18	10				8,8
MJFF8E	PowerPlex® Fusion 5C					
		13,15	17,20	10,11	17,17	11,12
	4sp	10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22	9,13	7,12		7,7
	14,18	10				8,8
MKPWBY	NGM SElect					
		13,15	17,20	10,11	17,17	
	4sp		12,15	13,14	23,23	
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
	14,18					

TABLE 1

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

Item 4sp - STR Results

MPKQ9Z	Investigator® 24plex QS					
	13,15	17,20	10,11	17,17	11,12	N/A
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	N/A	N/A	15,24.2	7,7	8,8
	14,18	10	N/A	N/A	N/A	
MU3DA6	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
MXN2PC	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
N79QTP	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
N8K4C2	GlobalFiler™ CASEWORK					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
NDUNQD	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
NH9EZE	GlobalFiler™ (STRmix v2.9.1)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

NHQ6BJ	GlobalFiler™ (STRmix)						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
NJE8RM	Investigator® 24plex QS						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10					
NMA7X6	PowerPlex® Fusion 5C						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22	9,13	7,12		7,7	8,8
	14,18	10					
NPQHBM	GlobalFiler™ (STRMix)						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
NRCUR2	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
	14,18	10			2		
NXDLYN	GlobalFiler™						
		13,15	17,[20]	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
P33BND	PowerPlex® Fusion 5C						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12		7	8
	14,18	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 4sp - STR Results

P4KNHN	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
PBJPT6	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
PEXWYV	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
PFD3UD	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
PQA4XG	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
Q2VHXQ	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
Q7MR4H	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

QKGT66	PowerPlex® 16 HS			17,17	11,12	
4sp		10,11	12,15		11,12	11,14
		12,14		31,31	X,Y	10,12
		20,22	9,13	7,12	7,7	8,8
		14,18				
R7U7GW	Investigator® 24plex QS					
4sp		13,15	17,20	10,11	17,17	11,12
		10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22	N/A	N/A	15,24.2	7,7
		14,18	10	N/A	N/A	8,8
T67EDC	GlobalFiler™ (STRmix)					
4sp		13,15	17,20	10,11	17,17	11,12
		10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
		14,18	10			8,8
TC67FE	GlobalFiler™					
4sp		13,15	17,20	10,11	17	11,12
		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18	10			8
TDEGDD	Investigator® 24plex IQS					
4sp		13,15	17,20	10,11	17,17	11,12
		10,11	12,15	13,14	23,23	11,12
		12,14	13,15	31,31	15,15	X,Y
		20,22			15,24.2	7,7
		14,18	10			8,8
TQZVAK	GlobalFiler™					
4sp		13,15	17,20	10,11	17	11,12
		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18	10			8
TRETUB	GlobalFiler™					
4sp		13,15	17,20	10,11	17	11,12
		10,11	12,15	13,14	23	11,12
		12,14	13,15	31	15	X,Y
		20,22			15,24.2	7
		14,18	10			8

TABLE 1

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

Item 4sp - STR Results

UQKLZP	PowerPlex® Fusion 5C					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
UT862M	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
UXB8TG	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
UXJ4J9	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
UXKMJ6	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
V3JFPY	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
VCCNAP	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

VD7R2H	GlobalFiler™					
	13,15	17,20,[24]	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14,[16]	13,15	[29],31,31	15,15	X,Y	10,12
	20,22,[23]			15,24.2	7,7	8,8
	14,[15],18	10			2	
VHV7U6	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
VHVZ3W	Identifiler®					
		17,20		17,17	11,12	
4sp	10,11	12,15			11,12	11,14
	12,14	13,15	31,31		X,Y	10,12
	20,22				7,7	8,8
	14,18					
VPGQTX	PowerPlex® 5C					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22	9,13	7,12		7,7	8,8
	14,18	10				
VWZWL	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
VY7UEK	PowerPlex® Fusion 6C (STRMix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
VYVZND	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	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 4sp - STR Results

W974XF	GlobalFiler™						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
WHYCJ7	GlobalFiler™						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
WMCYGH	PowerPlex® Fusion 6C (STRmix)						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17			
WN3LRE	GlobalFiler™						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
X9Q4GC	GlobalFiler™						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	10			2		
XCQ2G4	PowerPlex® Fusion 6C						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22	9,13	7,12	15,24.2	7,7	8,8
	14,18	10	18	17			
XFFHVV	GlobalFiler™						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
	14,18	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 4sp - STR Results

XH9GLA	PowerPlex® Fusion 6C (STRmix)						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12	15,24.2	7	8
		14,18	10	18	17		
XLTYRF	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
		14,18	10			2	
XPUZY4	PowerPlex® Fusion						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12		7	8
		14,18	10				
XZBHCE	GlobalFiler™						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22			15,24.2	7	8
		14,18	10			2	
Y3QTKX	PowerPlex® Fusion 5C						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	23	11,12	11,14
		12,14	13,15	31	15	X,Y	10,12
		20,22	9,13	7,12		7	8
		14,18	10				
YERQWH	GlobalFiler™ (STRmix)						
		13,15	17,20	10,11	17	11,12	
	4sp	10,11	12,15	13,14	22,23	11,12	11,14
		12,14	11,13,15	31	15	X,Y	10,12
		20,22			14.2,15,24.2	7	8
		14,18	10			2	
YHMX6N	GlobalFiler™ (TrueAllele)						
		13,15	17,20	10,11	17,17	11,12	
	4sp	10,11	12,15	13,14	23,23	11,12	11,14
		12,14	13,15	31,31	15,15	X,Y	10,12
		20,22			15,24.2	7,7	8,8
		14,18	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 4sp - STR Results

YKG7MB	GlobalFiler™ (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31,32	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
YPPGPD	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	
YREMAA	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
YREZG3	GlobalFiler™ (STRmix)					
	12,13,14,15,Q	17,19,20,Q	10,11,Q	16,17,Q	10,11,12,13,Q	
4sp	10,11,Q	11,12,14,15,Q	12,13,14,Q	22,23,Q	11,12,Q	11,13,14,Q
	11,12,13,14,Q	12,13,14,15,Q	30,31,Q	14,15,16,Q	X,Y	10,11,12,Q
	19,20,21,22,Q			14,15,23.2,24.2,Q	7,Q	8,Q
	14,17,18,Q	9,10,Q			2,Q	
YTJ4XL	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
YZRUPD	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
Z42V7W	PowerPlex® ESX-17					
	13,15	17,20	10,11	17		
4sp		12,15	13,14	23		11,14
	12,14	13,15	31	15	X,Y	
	20,22			15,24.2	7	
	14,18					

TABLE 1

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

Item 4sp - STR Results

Z7A8NX	PowerPlex® 21					
	13,15	17,20		17	11,12	11,19
4sp	10,11	12,15		23	11,12	11,14
	12,14	13,15	31		X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18					
ZACH3R	PowerPlex® Fusion					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12		7	8
	14,18	10				
ZBGBGX	PowerPlex® Fusion 6C (STRmix)					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22	9,13	7,12	15,24.2	7	8
	14,18	10	18	17		
ZGUV3B	GlobalFiler™					
	13,15	17,20	10,11	17	11,12	
4sp	10,11	12,15	13,14	23	11,12	11,14
	12,14	13,15	31	15	X,Y	10,12
	20,22			15,24.2	7	8
	14,18	10			2	
ZXENM9	GlobalFiler™					
	13,15	17,20	10,11	17,17	11,12	
4sp	10,11	12,15	13,14	23,23	11,12	11,14
	12,14	13,15	31,31	15,15	X,Y	10,12
	20,22			15,24.2	7,7	8,8
	14,18	10			2	

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
Item 2 - YSTR Results										
2BZD26	Yfiler™ Plus									
	36,38	13	16,18	13	30	23	10	11	13	
2	14	10	12	20	32	17	15	9	22	
	39	12		18	17	23	23		12	
2CRZC3	Yfiler™ Plus									
	36,38	13	16,18	13	30	23	10	11	13	
2	14	10	12	20	32	17	15	9	22	
	39	12		18	17	23	23		12	
2QPU4B	Yfiler™									
		13	16,18	13	30	23	10	11	13	
2	14	10	12	20		17	15			
							23		12	
2XRYZ2	Yfiler™ Plus									
	36,38	13	16,18	13	30	23	10	11	13	
2	14	10	12	20	32	17	15	9	22	
	39	12		18	17	23	23		12	
34YEBF	Yfiler™ Plus									
	36,38	13	16,18	13	30	23	10	11	13	
2	14	10	12	20	32	17	15	9	22	
	39	12		18	17	23	23		12	
3BHMTK	Yfiler™									
		13	16,18	13	30	23	10	11	13	
2	14	10	12	20		17	15			
							23		12	
3QLGLD	Yfiler™ Plus									
	36,38	13	16,18	13	30	23	10	11	13	
2	14	10	12	20	32	17	15	9	22	
	39	12		18	17	23	23		12	
43DVCG	Yfiler™									
		13	16,18	13	30	23	10	11	13	
2	14	10	12	20		17	15			
							23		12	
48Q7E6	PowerPlex® Y 23									
		13	16,18	13	30	23	10	11	13	
2	14	10	12	20		17	15		22	
		12	12	18	17		23	11	12	
4FKB87	PowerPlex® Y 23									
		13	16,18	13	30	23	10	11	13	
2	14	10	12	20		17	15		22	
		12	12	18	17		23	11	12	
4HURWJ	Yfiler™									
		13	16,18	13	30	23	10	11	13	
2	14	10	12	20		17	15			
							23		12	

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
4XQDPC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
62XVTR		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
63EZHK	PowerPlex® Y 23								
	---	13	16,18	13	30	23	10	11	13
2	14	10	12	20	---	17	15	---	22
	---	12	12	18	17	---	23	11	12
6BNTZ7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
6KJUH6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
79VH8Q	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7EARX2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7FZKPR	PowerPlex® Y								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
7N6Y3D	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
							23		12
7RYP36	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7ZTUW7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8DNCTD	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
							23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
8K943W	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8MZXR	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8Y94ZL	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8YPYF8	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
9UQXL4	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
9WGY6Y	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
A4R9LL	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
A4UDJN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AD6R8B	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AVW98T	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AZPDXC	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		
							23		12
B2KKTU	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	-	18	17	23	23	-	12

TABLE 2

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

Item 2 - YSTR Results

BGBQT2	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
BYZTY6	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
CA4BER	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
CARNLY	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
CRVBWX	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
DYVZAV	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
F29J8V	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
FEB8YP	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
G3FD2L	Yfiler™ Plus								
2	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
G3WXT6	Yfiler™								
2		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		
							23		12
GGC299	Yfiler™								
2		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		
							23		12
GJXM2W	Yfiler™								
2		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		
							23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
GQJCJP	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20	17	15	22		
		12	12	18	17	23	11	12	
H7L2TM	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	18	17	23	23	12		
HDVPTN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	18	17	23	23	12		
HPBDA3	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	18	17	23	23	12		
HX6H44	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	18	17	23	23	12		
JKNMXX	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20	17	15	22		
		12	12	18	17	23	11	12	
JQQR3	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20	17	15			
						23	12		
JZN2FK	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	18	17	23	23	12		
KBELAC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12	18	17	23	23	12		
KV7WLW	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20	17	15	22		
		12	12	18	17	23	11	12	
LC3CW2	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20	17	15			
						23	12		
LP4AFR	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20	17	15			
						23	12		

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
M2GRRV	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
M3BDM9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
MJFF8E	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
MKPWBY	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
N8K4C2	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
P33BND	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
P4KNHN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
PQU8MP	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
							23		12
PY4CH9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Q7MR4H	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
QKGTC6	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
T67EDC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
TC67FE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
TMDC9M	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
TQZVAK	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		
							23		12
TRETUB	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
U2DFBT	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		
							23		12
U9FHFT	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		
							23		12
UXKMJ6	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
VCCNAP	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
VD7R2H	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
VDMDT2	Y FILER Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
W974XF	Yfiler™ Plus (Direct Mode)								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
WHYCJ7	Yfiler™ Plus Direct mode								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

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

Item 2 - YSTR Results

WN3LRE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
X9Q4GC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
XCJP79	Yfiler™								
		13	16,18	13	30	23	10	11	13
	2	14	10	12	20	17	15		
						23			12
XLTYRF	Yfiler™								
		13	16,18	13	30	23	10	11	13
	2	14	10	12	20	17	15		
						23			12
XPUZY4	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
XZBHCE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
Y3QTKX	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
Y4MJY6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
YDUUFQ	Yfiler™								
		13	16,18	13	30	23	10	11	13
	2	14	10	12	20	17	15		
						23			12
YHMx6N	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12
YM2NEP	Yfiler™								
		13	16,18	13	30	23	10	11	13
	2	14	10	12	20	17	15		
						23			12
YPPGPD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
2	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 2 - YSTR Results									
YTJ4XL		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		12
							23		
YZRUPD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Z3ARNP	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
Z42V7W	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
Z7A8NX	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
ZEL6UP	Yfiler™								
		13	16,18	13	30	23	10	11	13
2	14	10	12	20		17	15		12
							23		
ZGUV3B	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
ZLYTA6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
ZXENM9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
2	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

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

Item 3 - YSTR Results

26CAYP	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
3	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2CRZC3	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
2XRYZ2	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
6BNTZ7	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
8K943W	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
A4R9LL	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
AVW98T	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
BGBQT2	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
CA4BER	Yfiler™ Plus								
3									
CARNLY	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
M3BDM9	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
MJFF8E	PowerPlex® Y 23								
		Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
3	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
		Neg.	Neg.	Neg.	Neg.		Neg.	Neg.	Neg.

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

P33BND	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
PQU8MP	Yfiler™								
3	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
VD7R2H	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
W974XF	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
WHYCJ7	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
X9Q4GC	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
XCJP79	Yfiler™								
3		NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
							NR		NR
XPUZY4	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
Y3QTKX	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
YPPGPD	Yfiler™ Plus								
3	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	No Result	No Result
	No Result	No Result		No Result	No Result	No Result	No Result		No Result
Z3ARNP	PowerPlex® Y 23								
3									
ZXENM9	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

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									
62XVTR	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7FZKPR	PowerPlex® Y								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
8DNCTD	Yfiler™								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		
							23		12
JKNMXX	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
KBELAC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
M2GRRV	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
PQU8MP	Yfiler™								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		
							23		12
TMDC9M	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
TRETUB	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
VDMDT2	Y FILER Plus								
	36,38	13	16,18	13	30	23	10	11	13
4	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
XCJP79	Yfiler™								
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		
							23		12
Z3ARNP									
		13	16,18	13	30	23	10	11	13
4	14	10	12	20		17	15		22
		12	12	18	17		23	11	12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
26CAYP	Yfiler™ Plus								
	36,39	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2BZD26	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2CRZC3	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2QPU4B	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
2XRYZ2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
34YEBF	Yfiler™ Plus								
4e									
3BHMTK	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
3QLGLD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
43DVCG	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
48Q7E6	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
4FKB87	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
4HURWJ	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
4XQDPC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
63EZHK	PowerPlex® Y 23								
	---	---	---	---	---	---	---	---	---
4e	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---
6BNTZ7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
6KJUH6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
79VH8Q	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7EARX2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7N6Y3D	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
7RYP36	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7ZTUW7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8K943W	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8MZXR	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8Y94ZL	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
8YPYF8	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
9UQXL4	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
9WGY6Y	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
A4R9LL	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
A4UDJN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AD6R8B	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AVW98T	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AZPDXC	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		22
							23		12
B2KKTU	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12	-	18	17	23	23	-	12
BGBQT2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
BYZTY6	Yfiler™ Plus								
4e									
CA4BER	Yfiler™ Plus								
4e									

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 4e - YSTR Results									
CARNLY	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
CRVBWX	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
DYVZAV	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
F29J8V	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
FEB8YP	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
G3FD2L	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
G3WXT6	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
GGC299	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
GJXM2W	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
GQJCJP	PowerPlex® Y 23								
4e									
H7L2TM	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
HDVPTN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

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

Item 4e - YSTR Results

HPBDA3	Yfiler™ Plus								
4e									
HX6H44	Yfiler™ Plus								
4e									
JQQR3	Yfiler™								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		
							23		12
JZN2FK	Yfiler™ Plus								
4e	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
KV7WLW	PowerPlex® Y 23								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
LC3CW2	Yfiler™								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		
							23		12
LP4AFR	Yfiler™								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		
							23		12
M3BDM9	Yfiler™ Plus								
4e	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
MJFF8E	PowerPlex® Y 23								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
MKPWBY	PowerPlex® Y 23								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
N8K4C2	PowerPlex® Y 23								
4e		13	16,18	13	30	23	10	11	13
	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
P33BND	Yfiler™ Plus								
4e	36,38	13	16,18	13	30	23	10	11	13
	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

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

Item 4e - YSTR Results

P4KNHN	Yfiler™ Plus								
4e									
PY4CH9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Q2VHXQ	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Q7MR4H	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
QKGT6	Yfiler™, PowerPlex® Y 23								
4e									
T67EDC	Yfiler™ Plus								
4e									
TC67FE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
TQZVAK	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
U2DFBT	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
U9FHFT	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
UXKMJ6	PowerPlex® Y 23								
4e									
VCCNAP	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
VD7R2H	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YYVZND	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
W974XF	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
WHYCJ7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
WN3LRE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
X9Q4GC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
XLTYRF	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
XPUZY4	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
XZBHCE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Y3QTKX	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Y4MJY6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YDUUFQ	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4e - YSTR Results									
YHMX6N	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YM2NEP	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
YPPGPD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YTJ4XL	Yfiler™ Plus								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
YZRUPD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Z42V7W	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
Z7A8NX	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
ZEL6UP	Yfiler™								
		13	16,18	13	30	23	10	11	13
4e	14	10	12	20		17	15		
							23		12
ZGUV3B	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
ZLYTA6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
ZXENM9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4e	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
26CAYP	Yfiler™ Plus								
	36,39	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2BZD26	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2CRZC3	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
2QPU4B	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
2XRYZ2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
34YEBF	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
3BHMTK	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
3QLGLD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
43DVCG	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
48Q7E6	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
4FKB87	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
4HURWJ	Yfiler™								
4sp									

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 4sp - YSTR Results									
4XQDPC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
63EZHK	PowerPlex® Y 23								
	---	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	---	17	15	---	22
	---	12	12	18	17	---	23	11	12
6BNTZ7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
6KJUH6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
79VH8Q	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7EARX2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7N6Y3D	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
7RYP36	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
7ZTUW7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8K943W	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8MZXR	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
8Y94ZL	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
8YPYF8	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
9UQXL4	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
9WGY6Y	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
A4R9LL	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
A4UDJN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AD6R8B	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AVW98T	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
AZPDXC	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
B2KKTU	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12	-	18	17	23	23	-	12
BGBQT2	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
BYZTY6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
CA4BER	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
CARNLY	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
CRVBWX	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
DYVZAV	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
F29J8V	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
FEB8YP	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
G3FD2L	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
G3WXT6	Yfiler™								
4sp									
GGC299	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
GJXM2W	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
GQJCJP	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
H7L2TM	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
HDVPTN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
HPBDA3	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
HX6H44	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
JQQR3	Yfiler™								
4sp									
JZN2FK	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
KV7WLW	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
LC3CW2	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
LP4AFR	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
M3BDM9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
MJFF8E	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
MKPWBY	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
N8K4C2	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
P33BND	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
P4KNHN	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
PY4CH9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Q2VHXQ	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Q7MR4H	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
QKGT6	Yfiler™, PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
T67EDC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
TC67FE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
TQZVAK	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
U2DFBT	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
U9FHFT	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
							23		12
UXKMJ6	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
VCCNAP	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
VD7R2H	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YVZND	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
W974XF	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
WHYCJ7	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
WN3LRE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
X9Q4GC	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
XLTYRF	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
XPUZY4	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
XZBHCE	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Y3QTKX	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Y4MJY6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YDUUFQ	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
Item 4sp - YSTR Results									
YHMX6N	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YM2NEP	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
YPPGPD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
YTJ4XL	Yfiler™ Plus								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
YZRUPD	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
Z42V7W	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
Z7A8NX	PowerPlex® Y 23								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		22
		12	12	18	17		23	11	12
ZEL6UP	Yfiler™								
		13	16,18	13	30	23	10	11	13
4sp	14	10	12	20		17	15		
							23		12
ZGUV3B	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
ZLYTA6	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12
ZXENM9	Yfiler™ Plus								
	36,38	13	16,18	13	30	23	10	11	13
4sp	14	10	12	20	32	17	15	9	22
	39	12		18	17	23	23		12

Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D10S1435	CA4BER	12,17	11,12	12,17			12,17	11,12	
D10S2325	CA4BER	12	12	12			12	12	
D11S2368	CA4BER	20,21	18,20	20,21			20,21	18,20	
D13S325	CA4BER	20,23	19,22	20,23			20,23	19,22	
D14S1434	CA4BER	14	14	14			14	14	
D15S659	CA4BER	15,17	16,18	15,17			15,17	16,18	
D17S1301	CA4BER	11,12	11,12	11,12			11,12	11,12	
D18S1364	CA4BER	15,18	13,15	15,18			15,18	13,15	
D19S253	CA4BER	12,13	9,11	12,13			12,13	9,11	
D20S482	CA4BER	11,15	13,14	11,15			11,15	13,14	
D21S2055	CA4BER	25,30	27,31	25,30			25,30	27,31	
D22-GATA198B05	CA4BER	16,21	16,18	16,21			16,21	16,18	
D2S1360	CA4BER	20,22	23,25	20,22			20,22	23,25	
D3S1744	CA4BER	17,18	15,19	17,18			17,18	15,19	
D3S3045	CA4BER	13,14	10,11	13,14			13,14	10,11	
D4S2366	CA4BER	9,12	12,13	9,12			9,12	12,13	
D5S2500	CA4BER	13,14	11,15	13,14			13,14	11,15	
D5S2800	CA4BER	14,20	14,18	14,20			14,20	14,18	
D6S474	CA4BER	13,16	13,17	13,16			13,16	13,17	
D6S477	CA4BER	13,16	11,2,14	13,16			13,16	11,2,14	
D7S1517	CA4BER	21,29	19,24	21,29			21,29	19,24	
D7S3048	CA4BER	21,24	19,23	21,24			21,24	19,23	
D8S1132	CA4BER	18,20	18,19	18,20			18,20	18,19	
D9S1122	CA4BER	12,14	12,13	12,14			12,14	12,13	
F13A01	CA4BER	4,5	4,7	4,5			4,5	4,7	
F13B	CA4BER	6	8,10	6			6	8,10	

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
FES/FPS	CA4BER	10,12	11	10,12				10,12	11
LPL	CA4BER	9,12	10	9,12				9,12	10
PENTA_C	CA4BER	12,15	9,13	12,15				12,15	9,13

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
26CAYP	Yes	Yes	No	Yes	4PX8MX	Yes	Yes	No	Yes
2BZD26	Yes	Yes	No	Yes	4XQDPC	Yes	Yes	No	Yes
2CRZC3	Yes	Yes	No	Yes	62XVTR	Yes	Yes	No	Yes
2QPU4B	Yes	Yes	No	Yes	63EZHK	Yes	Yes	No	Yes
2W8LJP	Yes	Yes	No	Yes	6BNTZ7	Yes	Yes	No	Yes
2XRYZ2	Yes	Yes	No	Yes	6F8WW4	Yes	Yes	No	Yes
34GCFZ	Yes	Yes	No	Yes	6GJDC3	Yes	Yes	No	Yes
34YEBF	Yes	Yes	No	Yes	6KJUH6	Yes	Yes	No	Yes
3BHMTK	Yes	Yes	No	Yes	6LZEPR	Yes	Yes	No	Yes
3JCRL	Yes	Yes	No	Yes	6UGHR8	Yes	Yes	No	Yes
3PB6YP	Yes	Yes	No	Yes	79VH8Q	No Interp	No Interp	No Interp	Yes
3QLGLD	Yes	Yes	No	Yes	7E62L7	Yes	Yes	No	Yes
3T39J3	Yes	Yes	No	Yes	7EARX2	Yes	Yes	No	Yes
3UDFDH	Yes	Yes	No	Yes	7FZKPR	Yes	Yes	No	Yes
3VPU6Y	Yes	Yes	No	Yes	7MKCXC	Yes	Yes	No	Yes
3ZVBU8					7N6Y3D	Yes	Yes	No	Yes
43DVCG	No Interp	No Interp	No Interp	Yes	7NAJ62	Yes	Yes	No	Yes
48Q7E6	Yes	Yes	No	Yes	7RYP36	Yes	Yes	No	Yes
4FKB87	Yes	Yes	No	Yes	7VEGRD	Yes	Yes	No	Yes
4HURWJ	Yes	Yes	No	Yes	7ZTUW7	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
8AULUY	Yes	Yes	No	Yes	AKWA7R	Yes	Yes	No	Yes
8DNCTD	Yes	Yes	No	Yes	ARH6K3	Yes	Yes	No	Yes
8E4XTK	Yes	Yes	No	Yes	AU3VR9	Yes	Yes	No	Yes
8K943W	Yes	Yes	No	Yes	AVW98T	Yes	Yes	No	Yes
8MZXR	Yes	Yes	No	Yes	AZPDXC	No Interp	No Interp	No Interp	Yes
8WMRJA	Yes	Yes	No	Yes	B2KKTU	Yes	Yes	No	Yes
8Y94ZL	Yes	Yes	No	Yes	B3GXTU	Yes	Yes	No	Yes
8YPYF8	No Interp	No Interp	No Interp	Yes	BCGU7V	Yes	Yes	No	Yes
92PHNY	Yes	Yes	No	Yes	BGBQT2	Yes	Yes	No	Yes
92UUP3	Yes	Yes	No	Yes	BLM26Y	Yes	Yes	No	Yes
936LXJ	Yes	Yes	No	Yes	BP3TT7	Yes	Yes	No	Yes
9GJM2H	Yes	Yes	No	Yes	BRRYD3	Yes	Yes	No	Yes
9JTXM7	Yes	Yes	No	Yes	BVRDWL	Yes	Yes	No	Yes
9MNPWH	Yes	Yes	No	Yes	BYZTY6	Yes	Yes	No	Yes
9UQXL4	Yes	Yes	No	Yes	BZD8H8	Yes	Yes	No	Yes
9WGY6Y	Yes	Yes	No	Yes	CA4BER	Yes	Yes	No	Yes
A4R9LL	Yes	Yes	No	Yes	CADA73	Yes	Yes	No	Yes
A4UDJN	Yes	Yes	No	Yes	CARNLY	Yes	Yes	No	Yes
ACNHCP	Yes	Yes	No	Yes	CRVBWX	Yes	Yes	No	Yes
AD6R8B	Yes	Yes	No	Yes	D2GWLT	Yes	Yes	No	Yes
AG6XN3	Yes	Yes	No	Yes	D3KUB2	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
DLKK6C	Yes	Yes	No	Yes	GZMXNY	Yes	Yes	No	Yes
DTX7RF	Yes	Yes	No	Yes	H6EKWC	No Interp	No Interp	No Interp	No Interp
DYVZAV	Yes	Yes	No	Yes	H7L2TM	Yes	Yes	No	Yes
EB2MJ6	No Interpretations Reported, DNA Analyzed for Database purposes only.				H9EQFP	Yes	Yes	No	Yes
EFRB9D	Yes	Yes	No	Yes	HCCC67	Yes	Yes	No	Yes
EHU7WM	Yes	Yes	No	Yes	HDVPTN	Yes	Yes	No	Yes
EVFKVF	No Interp	No Interp	No Interp	No Interp	HJ6LYJ	Yes	Yes	No	Yes
EVPRKC	Yes	Yes	No	Yes	HJHDRZ	Yes	Yes	No	Yes
F29J8V	Yes	Yes	No	Yes	HL6WTX	Yes	Yes	No	Yes
FEB8YP	Yes	Yes	No	Yes	HPBDA3	Yes	Yes	No	Yes
FXGB99	No Interpretations Reported, DNA Analyzed for Database purposes only.				HX6H44	Yes	Yes	No	Yes
G3FD2L	Yes	Yes	No	Yes	HZ7NE3	Yes	Yes	No	Yes
G3WXT6	Yes	Yes	No	Yes	JKNMXX	Yes	Yes	No	Yes
G8QVFB	Yes	Yes	No	Yes	JL2P7W	Yes	Yes	No	Yes
GGC299	No Interp	No Interp	No Interp	Yes	JQQR3	Yes	Yes	No	Yes
GJLHPX	Yes	Yes	No	Yes	JZN2FK	Yes	Yes	No	Yes
GJXM2W	Yes	Yes	No	Yes	KBELAC	Yes	Yes	No	Yes
GKKHVP	Yes	Yes	No	Yes	KC79CK	Yes	Yes	No	Yes
GNX8VA	Yes	Yes	No	Yes	KPWZE2	Yes	Yes	No	Yes
GQJCJP	Yes	Yes	No	Yes	KRERYX	Yes	Yes	No	Yes
GRZJUY	Yes	Yes	No	Yes	KV7WLW	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
KW9PQA	No Interp	No Interp	No Interp	No Interp	NMA7X6	Yes	Yes	No	Yes
LC3CW2	No Interp	No Interp	No Interp	Yes	NPQHBM	Yes	Yes	No	Yes
LH98CV	Yes	Yes	No	Yes	NRCUR2	Yes	Yes	No	Yes
LP4AFR	Yes	Yes	No	Yes	NXDLYN	Yes	Yes	No	Yes
LUJBNX	Yes	Yes	No	Yes	P33BND	Yes	Yes	No	Yes
LV3VUV	Yes	Yes	No	Yes	P4KNHN	Yes	Yes	No	Yes
LXXFAT	Yes	Yes	No	Yes	PBJPT6	Yes	Yes	No	Yes
M2GRRV	Yes	Yes	No	Yes	PEXWYV	Yes	Yes	No	Yes
M3BDM9	Yes	Yes	No	Yes	PFD3UD	Yes	Yes	No	Yes
MAB62N	Yes	Yes	No	Yes	PQA4XG	Yes	Yes	No	Yes
MJFF8E	Yes	Yes	No	Yes	PQU8MP	No Interp	No Interp	No Interp	Yes
MKPWBY	Yes	Yes	No	Yes	PY4CH9	No Interp	No Interp	No Interp	Yes
MPKQ9Z	Yes	Yes	No	Yes	Q2VHXQ	No Interp	No Interp	No Interp	No Interp
MU3DA6	Yes	Yes	No	Yes	Q7MR4H	Yes	Yes	No	Yes
MXN2PC	Yes	Yes	No	Yes	QKGTC6	Yes	Yes	No	Yes
N79QTP	Yes	Yes	No	Yes	R7U7GW	Yes	Yes	No	Yes
N8K4C2	Yes	Yes	No	Yes	T67EDC	Yes	Yes	No	Yes
NDUNQD	Yes	Yes	No	Yes	TC67FE	Yes	Yes	No	Yes
NH9EZE	Yes	Yes	No	Yes	TDEGDD	Yes	Yes	No	Yes
NHQ6BJ	Yes	Yes	No	Yes	TMDC9M	Yes	Yes	No	Yes
NJE8RM	Yes	Yes	No	Yes	TQZVAK	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
TRETUB	Yes	Yes	No	Yes	WN3LRE	Yes	Yes	No	Yes
U2DFBT	No Interp	No Interp	No Interp	Yes	X9Q4GC	Yes	Yes	No	Yes
U9FHFT	No Interp	No Interp	No Interp	Yes	XCJP79	No Interp	No Interp	No Interp	Yes
UQKLZP	Yes	Yes	No	Yes	XCQ2G4	Yes	Yes	No	Yes
UT862M	Yes	Yes	No	Yes	XFFHWW	Yes	Yes	No	Yes
UXB8TG	Yes	Yes	No	Yes	XH9GLA	Yes	Yes	No	Yes
UXJ4J9	Yes	Yes	No	Yes	XLTYRF	Yes	Yes	No	Yes
UXKMJ6	Yes	Yes	No	Yes	XPUZY4	Yes	Yes	No	Yes
V3JFPY	Yes	Yes	No	Yes	XZBHCE	Yes	Yes	No	Yes
VCCNAP	Yes	Yes	No	Yes	Y3QTKX	Yes	Yes	No	Yes
VD7R2H	Yes	Yes	No	Yes	Y4MJY6	No Interp	No Interp	No Interp	Yes
VDMDT2	Yes	Yes	No	Yes	YDUUFQ	No Interp	No Interp	No Interp	Yes
VHV7U6	Yes	Yes	No	Yes	YERQWH	Yes	Yes	No	Yes
VHVZ3W	Yes	No	No	Yes	YHMX6N	Yes	Yes	No	Yes
VPGQTX	Yes	Yes	No	Yes	YKG7MB	Yes	Yes	No	Yes
WZWLY	Yes	Yes	No	Yes	YM2NEP	No Interp	No Interp	No Interp	Yes
VY7UEK	Yes	Yes	No	Yes	YPPGPD	Yes	Yes	No	Yes
VYVZND	No Interpretations Reported, DNA Analyzed for Database purposes only.				YREMAA	Yes	Yes	No	Yes
W974XF	Yes	Yes	No	Yes	YREZG3	Yes	Yes	No	Yes
WHYCJ7	Yes	Yes	No	Yes	YTJ4XL	Yes	Yes	No	Yes
WMCYGH	Yes	Yes	No	Yes	YZRUPD	Yes	Yes	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
Z3ARNP	Yes	Yes	No	Yes					
Z42V7W	Yes	Yes	No	Yes					
Z7A8NX	Yes	Yes	No	Yes					
ZACH3R	Yes	Yes	No	Yes					
ZBGBGX	Yes	Yes	No	Yes					
ZEL6UP	No Interp	No Interp	No Interp	Yes					
ZGUV3B	Yes	Yes	No	Yes					
ZLYTA6	No Interp	No Interp	No Interp	Yes					
ZXENM9	Yes	Yes	No	Yes					
ZZRAH4	Yes	Yes	No	Yes					

DNA Interpretation					
Response Summary	Participants reporting DNA results: 218				
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		194	193	0	210
No		0	1	194	0
Inc		0	0	0	0
No Interpretation		20	20	20	4
No Response		1	1	1	1

Participants analyzing DNA for database purposes only: 3

Additional Comments

TABLE 5

WebCode	Additional Comments
26CAYP	Yfiler plus was only used for quality control matters, not for comparison purposes.
2CRZC3	NR=No Results. STRmix analysis was conducted on Item 4e. Data for all reported items was generated with GeneMapper ID-X.
2QPU4B	Extraction: -Item 1 and Item 2 were extracted using Chelex extraction method. -Item 3 (bloodstain) and Item 4(bloodstain) were extracted using Automate Express by Prefiler Express kit. -Item 4 (semen stain) was extracted using differential extraction method. quantification: -Item 1, Item 2, Item 3 dan Item 4 were quantified using Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real Time PCR System. Amplification was performed on Proflex PCR system for: -Item 1, Item 2, Item 4 (bloodstain), Item 4(sp) and Item 4(epi) were amplified using GlobalFiler Amplification Kit. -Item 2, Item 4(bloodstain), Item 4(sp) and Item 4(epi) were amplified using Y-filer kit. Electrophoresis: -All amplified product were run on Genetic Analyzer 3500. Quality Control: -All reagent blank, positive control, negative control were carried out throughout the analysis and all gave intended results. Remarks: NM: Non male profile.
2XRYZ2	- NR is defined as No Results. - The data reported out in this test is from analysis using GeneMapper ID-X. - STRmix analysis was conducted on this test.
3QLGLD	Item 4e locus D16S539 allele 14 is above analytical threshold but under stochastic threshold. Allele is being contributed by the minor.
3T39J3	Item 3 (non-dif): very strong support for inclusion of Female victim, suspect is excluded. Item 4e: conditioned on Female Victim, very strong support for inclusion of Male Suspect. Item 4sp: very strong support for inclusion of Male Suspect, victim is excluded. 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.
3ZVBU8	Screening for presence of male DNA using Plexor HY Real-Time PCR System was performed on Item 3 (Questioned blood stain from victim's pillowcase(off-white)) and Item 4 (Questioned blood and semen stain from victim's shirt (yellow)). Male DNA was not detected on Item 3. Male DNA was detected on Item 4.
43DVCG	Only YSTR analysis was performed, female known reference sample was not processed
4PX8MX	Yscreen was performed on item 3 and 4. Item 3 was negative for male DNA. Item 4 was positive for male DNA.
6BNTZ7	NR = No Results. Y-Screen Assay Results: Item 3: Negative for human male DNA. Item 4: Positive for human male DNA. Item 2 was analyzed with Yfiler Plus in direct mode.
6F8WW4	STRmix used so elevated stutter not called off.
6GJDC3	Item 3 was mistakenly submitted for Differential Lysis (questioned blood stain). No result exists for the Spermatozoa fraction. Result obtained and reported from Epithelial fraction.
6UGHR8	Screening for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood stain from victim's pillowcase (off-white) and Item 4: Questioned blood and semen stain stain from victim's shirt (yellow). Male DNA was not detected on Item 3. Male DNA was detected on Item 4. Sperm cells were detected on a smear prepared from item 7.4.1 sperm cell fraction.
7E62L7	Spermatozoa were detected by microscopic examination of Item 4. Male DNA was not detected in Item 3 using the Plexor HY System. Male DNA was detected in Item 4 using the Plexor HY System.

TABLE 5

WebCode	Additional Comments
7N6Y3D	1. Item 1, Item 2, Item 3 and Item 4 were extracted using Chelex extraction method. 2. Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantifiler Kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 System. 3. Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 4 using AmpFLSTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. 4. Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyser with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results. 6. NM = Non-male profile.
8K943W	NR = No Results. Item 2 Y-Filer Plus amplification was completed in direct mode. Item 3 Y-Screen was completed using QuantiFiler Trio with negative results. Item 4 Y-Screen was completed using QuantiFiler Trio with positive results.
8WMRJA	A differential extraction was completed for Item 3 but the sperm fraction was stopped for having no male. Consequently only the non-sperm fraction was entered for Item 3. STRmix analysis was conducted on this test.
92PHNY	NR = No results
9JTXM7	Items 3 and 4 were extracted via differential separation, per laboratory protocol. Insufficient human DNA was detected in the sperm fraction of item 3, so the report will reflect the non-sperm fraction (epi-fraction) only for item 3. STRmix analysis was conducted on this test.
9UQXL4	NR = No DNA results
9WGY6Y	STRmix analysis was conducted on this test.
A4R9LL	NR = No Result. STRmix analysis conducted on this test. Data analyzed with GeneMapper ID-X reported.
AVW98T	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. NR= No Results.
AZPDXC	Only Y-STR testing was performed and the female reference sample was not processed.
B3GXTU	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.
BGBQT2	NR= No Results. Items 1 and 2 not analyzed with Y-Screen Assay. Item 1 not analyzed with Y-Filer Plus due to being female reference sample. Item 2 was amplified with YFP in direct mode. Item 3- Y-Screen negative. Item 4- Y-Screen positive.
BLM26Y	Screening for the presence of male DNA using Promega's Plexor HY Real-Time PCR System was performed on Item 3 and Item 4. Male DNA was not detected on Item 3: Questioned blood stain from victim's pillowcase (off-white). Male DNA was detected on Item 4: Questioned blood and semen stain from victim's shirt (yellow). Spermatozoa were observed on a slide made from Item 4 sperm cell fraction.
BP3TT7	16 allele, consistent with Victim (Item 1) appears to be present at D22S1045 in Item 4, but is being filtered out by GMIDx as stutter.
BRRYD3	Screening for the presence of male DNA using Plexor HY Real-Time PCR System was performed on Item 3: Questioned blood stain from victim's pillowcase (off-white) and Item 4: Questioned blood and semen stain from victim's shirt (yellow). Male DNA was not detected on Item 3. Male DNA was detected on Item 4. Spermatozoa was observed on a differential slide from Item 4 male fraction. NAO-No alleles observed at this locus.
CADA73	Possible elevated stutter and possible drop in left in because of STRmix analysis.
CARNLY	NR = no result. Direct mode of YFiler Plus used on item 2. Y-Screen Assay performed on items 3 and 4 with a negative result for item 3 and a positive result for item 4.

TABLE 5

WebCode	Additional Comments
D2GWL	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 droop-out. Possible missing alleles are reported as "Q" alleles in the results.
EVFKV	Analyst stops after GeneMapper and does not perform any data interpretation.
GGC299	Only Y-STR testing was performed. Item 1 was not processed.
GJXM2W	Extraction: Item 1 and Item 2 were extracted using chelex extraction method, Item 3 was extracted using QIASymphony DNA Investigator Kit via QIASymphony SP platform and Item 4 was extracted using differential extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 4 using AmFISTR Y-STR kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of Globalfiler for Item 1, Item 2, Item 3 and Item 4 and Y-Filer for Item 2 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM: Non-male profile.
GKKHV	The scenario stating that the screening tests had already been performed were very helpful for senior court reporting scientists as it enabled me to concentrate on the DNA analysis and interpretation of the results. Item 4 - sperm fraction noted elevated stutter of 22 at D12S391
GRZJU	STRmix was used
H6EKW	Scientist is authorized through DNA processing, does not compare/report DNA results.
H9EQF	Screening for the presence of male DNA using the Plexor HY real-time PCR System was performed on Item 3: Questioned blood stain from victim's pillowcase (off-white) and Item 4: Questioned blood and semen stain from victim's shirt (yellow). No male DNA was detected on Item 3: Questioned blood stain from victim's pillowcase (off-white). Male DNA was detected on Item 4: Questioned blood and semen stain from victim's shirt (yellow). Spermatozoa were observed on microscopic slide prepared from item 4 (sperm cell fraction)
JL2P7	STRmix analysis was conducted on this test.
KV7WL	STRmix analysis was conducted on this test.
KW9PQ	Analyst does not perform serology, data analysis, data interpretation or reporting.
LC3CW	Only Y-STR testing was performed. The Female known reference was not processed.
LH98C	Presence of elevated stutter at marker D1S1656
LP4AF	Extraction: - Item 1 and Item 2 were extracted using chelex extraction method. - Item 3 was extracted using DNA Investigator kit via QIASymphony SP platform. - Item 4 was extracted using differential extraction method. Quantification: - Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kits on RT-PCR QuantStudio 5 System. Amplification: - Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler DNA Amplification kits on 9700 GeneAmp PCR System. - Item 2 and Item 4 were also amplified using YFiler DNA Amplification kits on 9700 GeneAmp PCR System. Electrophoresis: - Electrophoresis of GlobalFiler for Item 1, Item 2, Item 3 and Item 4, and YFiler for Item 2 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: - Reagent blank, Positive and Negative control were incorporated throughout the analysis and gave intended results. *NM represents non-male profile
M3BDM	NR = No Results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
N79QT	NR = No Results

TABLE 5

WebCode	Additional Comments
N8K4C2	Item 04: • Phenol-chloroform extraction was performed for blood and differential extraction for semen. • The genetic profile obtained in phenol-chloroform extraction for blood is the same as the genetic profile obtained in epithelial fraction for differential extraction (4e).
NH9EZE	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.
NHQ6BJ	STRmix analysis was conducted on this test
NJE8RM	Screening for the presence of male DNA using Plexor HY real time PCR was performed on: Item 3: Questioned blood stain from victim's pillowcase (off-white) and Item 4: Questioned blood and semen stain from victim's shirt (yellow). Male DNA was not detected on item 3. Male DNA was detected on item 4.
NPQHBM	Possible elevated stutter was left in for Items 3 and 4 because of STRMix analysis.
NXDLYN	[] = lighter intensity allele, NR= no DNA result
P33BND	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. NR = no results.
P4KNHN	[] alleles are minor types in mixture
PQU8MP	Screening for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood stain from victim's pillowcase (off-white) and Item 4: Questioned blood and semen stain from victim's shirt (yellow). Male DNA was not detected on Item 3. Male DNA was detected on Item 4. No Y-STR DNA profiles was obtained for item 2. This has been denoted with -- at each locus.
Q2VHXQ	The scientist assigned to this test is qualified in extraction through CE and not in analysis and interpretation. A second scientist analyzed the data for Items 3 and 4 to confirm the correct results were obtained.
QKGTC6	- the genetic profile for the questioned blood of item 3 matches the victim. - the result of differential extraction of item 4 the blood matches the victim and the sperm matches the suspect.
T67EDC	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.
TDEGDD	Screening for the presence of Male DNA using Plexor HY Real-Time PCR System was performed on Item 3 and Item 4. Male DNA was not detected on Item 3: Questioned blood stain from victim's pillowcase (off-white). Male DNA was detected on Item 4: Questioned blood and semen stain from victim's shirt (yellow). Spermatozoa were observed by microscopic examination of the differential slide made from item 4 (victim shirt).
TQZVAK	1. Extraction: - Item 1 and Item 2 were extracted using chelex method. - Bloodstains extraction on Item 3 was carried out using QIA Symphony DNA Investigator Kit via QIA Symphony SP. - Differential extraction on Item 4 was carried out using chelex method. 2. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio on QuantStudio 5 RT-PCR. 3. Amplification on 9700 GeneAmp PCR System. - Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit. - Item 2 and Item 4 were amplified using YFiler PCR Amplification Kit. 4. Electrophoresis were carried out on Genetic Analyzer 3500xL. 5. Quality Control; reagent blank, positive and negative control were carried out through analysis and all gave intended results. 6. NM indicate non-male profile.
U2DFBT	Only Y-STR testing was performed; Item 3 did not yield a Y quant value; Item 1 - the female known reference was not processed.
U9FHFT	Only Y-STR testing was performed, female known standard was not processed.

TABLE 5

WebCode	Additional Comments
UXJ4J9	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.
V3JFPY	NR=no result
VD7R2H	NR = no results. Y-screen results... item 3 male DNA was not detected, item 4 male DNA was detected. YSTR testing on item 2 was done in direct mode.
VYVZND	The scientist who is being tested is qualified in extraction through CE but not in interpretation. A second scientist analyzed the data to confirm that correct results were obtained.
W974XF	NR = No Results. Item 1 not analyzed for Y-STR DNA; source is biologically female. Item 2 analyzed with the Yfiler Plus PCR Amplification Kit in direct mode. No Y-STR DNA profile obtained for Item 3 (consistent with quant and STR results). Mitochondrial DNA analysis is not performed by this laboratory. Items 3 & 4 processed with Y-Screen Assay (QF Trio): no human male DNA detected on Item 3 / human male DNA detected on Item 4.
WHYCJ7	NR = no result. Y-Screen (Quant Trio): 1C - No human male DNA was detected. 1D- Human male DNA was detected.
X9Q4GC	NR- No results. Item 1 not analyzed for Y-STRs. Item 2 was analyzed using Yfiler Plus amplification kit in direct mode. Items 3 & 4 processed with Y-screen Assay (QF Trio): Human male DNA was not detected on item 3, human male DNA was detected on item 4.
XCJP79	Screening Results: Screening test not performed on Item 1: Known blood from the female victim. Screening test not performed on Item 2: Known blood from the male suspect. Screening for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood stain from victim's pillowcase (off-white). Male DNA was not detected on this item. Screening for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 4: Questioned blood and semen stain from victim's shirt (yellow). Male DNA was detected on this item. No typing result was obtained from Item 3. This is indicated by "NR" in the profile. Therefore, no comparison was performed to the Suspect. No Y-STR typing result was obtained from Item 1 (victim's standard). Therefore, no comparison of the Victim was performed to Item 3 or Item 4.
XCQ2G4	ND = NOT DETECTED
XLTYRF	Extraction: Item 1 and Item 2 were extracted using chelex method. Item 3 was extracted using QIASymphony DNA Investigator Kit on QIASymphony SP System. Item 4 was extracted using QIASymphony DNA Investigator Kit on QIASymphony SP System (differential extraction method). Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler amplicons were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer amplicons were carried out on Genetic Analyzer 3500xL for Item 2 and Item 4. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - non male
XPUZY4	NR=no results. Item 1, Item 2, Item 3, and Item 4 were analyzed using PowerPlex Fusion 5C. Item 2, Item 3, and Item 4 were also analyzed using Yfiler Plus. Item 1 and Item 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridge. Item 3 was also analyzed using GlobalFiler Express on RapidHIT ID using INTEL sample cartridge. Autosomal data reported out for Item 3 and Item 4 is from analysis using GeneMapper ID-X. Autosomal data reported out for Item 1 and Item 2 is from analysis using GeneMarker. YSTR data reported out is from analysis using GeneMapper ID-X. STRmix analysis was conducted on item 4e.
Y3QTKX	NR = No Results. Data reported was analyzed using GeneMapper ID-X. STRmix analysis was conducted on this test.

TABLE 5

WebCode	Additional Comments
YDUUFQ	Only Y-STR testing was performed. The female known reference standard was not processed.
YM2NEP	Only Y-STR testing was performed and the female known reference was not processed.
YPPGPD	Y-Screen Testing was performed on CTS items 3 and 4: item 3 was negative, item 4 was positive for human male DNA. Y-STR testing for CTS item 2: Yfiler Plus kit was used in direct mode.
YREZG3	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. 4 sp: The only indications of a second contributor (~1%) were two peaks in stutter positions which were higher than expected.
YTJ4XL	Extraction: -Item 1, Item 2 and Item 3 was extracted using Chelex Extraction. - Item 4 was extracted using Chelex Differential Extraction. Quantification: Item 1 to Item 4 were quantified using Quantifiler Human DNA Quantification Kit and carried out by 7500 Real-Time PCR. Amplification: -Item 1 until Item 4 were amplified using Globalfiler PCR Amplification Kit on 9700 ABI GeneAmp PCR System. -Item 2 and Item 4 were amplified using AmpFLSTR Y Filer PCR Amplification Kit on 9700 ABI GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by ABI Genetic Analyzer 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results. *NM denotes non male profile.
Z3ARNP	The DNA from ITEM 3 matches the DNA from victim (ITEM 1). Suspect (ITEM 2) is excluded as the source of this DNA (ITEM 3). A mixture of DNA from at least two people was obtained from ITEM 4. The mixture is consistent with having a predominant contributor and one minor contributor. The predominant DNA in the mixture matches the DNA from suspect (ITEM 2). Victim (ITEM 1) is included as a possible source of the minor contributor DNA.
Z42V7W	1. The victim (Item 1) is not excluded as the source of the blood sample detected in the victim's pillowcase (item 3). 2. The suspect (Item 2) is not excluded as the source of the spermatic cells detected in the spermatic fraction of the blood and semen mixture stain in the victim's shirt (Item 4). 3. the victim (Item 1) and suspect (Item 2) are not excluded as the source of the cells in the epithelial fraction of the blood and semen mixture stain in the victim's shirt (Item 4).
Z7A8NX	For the interpretation of the results, the laboratory used the internal validation criteria, as follows: -Maximum proportion of contributors to a mixture 1:5/5:1. -Stochastic thresholds: Blue line: 210 RFU; Green line: 134 RFU; Yellow line: 93.2 RFU; Red line: 124 RFU.
ZEL6UP	Only Y-STR testing was performed and the female known reference was not processed. Item 3 did not yield a quantity of male DNA above the minimum amplification threshold and was not further processed.
ZXENM9	Dashes (-): no result expected at these loci due to profile being a female DNA profile. NR = no result obtained. Y-screen results (Quant Trio Kit): -> #3 Human male DNA was not detected. -> #4 Human male DNA was detected. Item 2 was analyzed with YFP in direct mode.
ZZRAH4	No statistical evaluations were made for the interpretation of the profiles. Profiles #1, 2, and 3 are complete and individual. Profile #4 is a mixture of at least 2 individuals. In profile #4, the victim DNA profile and the suspect DNA profile are found.

-End of Report-
(Appendix may follow)

Test No. 23-5804: DNA-Semen

DATA MUST BE SUBMITTED BY **Sept. 05, 2023, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: K4H8F9

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

Scenario:

Police are investigating a sexual assault involving a female victim and male suspect. The victim and suspect are roommates. The victim reported to police that the suspect entered her room in the middle of the night and entered her bed. The suspect forced her to perform oral sex on him. The victim confirmed that the suspect ejaculated. The suspect has been apprehended by police. Police are submitting to your laboratory a stain from the victim's pillowcase (Item 3) and a stain from the shirt the victim was wearing (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (victim's pillowcase) is positive for blood, and Item 4 (victim's shirt) is positive for blood and semen. 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 stain from victim's pillowcase (off-white)
- Item 4: Questioned blood and semen stain from victim's shirt (yellow)

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

Identifiler®
 GlobalFiler™
 Investigator® 24plex

 PowerPlex®
 Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in Default order.

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

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

CTS submits external proficiency test data directly to 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)