



DNA-Blood Test No. 24-5805

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were asked to analyze using their existing protocols. Data were returned from 188 participants and are compiled into the following tables:

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

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

Manufacturer's Information

Each sample pack consisted of two known bloodstains on FTA™ Micro Cards (Items 1 and 2) and two questioned stains on colored fabric (Items 3 and 4). Participants were asked to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1 - 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Item 1 (75 μ L) was created using blood from a female donor. Item 2 (75 μ L) and Item 4 (50 μ L) were created using blood from the same male donor. Item 3 (50 μ L) was created using blood from an additional male donor whose known standard was not provided. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample packs were stored at -20°C until shipment on September 03, 2024 following completion of the verification stage.

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

VERIFICATION: Predistribution results were consistent with each other and the manufacturer's preparation information. Consistent allelic results were reported for all STR and YSTR loci.

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	16,16	19,20	11,14	14,15	7,13	*
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NM	NM	NM	NM	
2	17,17.3	19,25	11,14	15,17	11,12	*
	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17	2	
3	15,15	23,26	12,14	15,15	10,11	*
	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18	2	
4	17,17.3	19,25	11,14	15,17	11,12	*
	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17	2	

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

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

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	YGATAH4	
2	35,35	14	11,14	13	30	24	11	13	13	
	15	12	11	19	31	15	17	10	25	
	40	12	13	18	17	22	23	10	12	
3	35,40	15	16,16	13	31	21	10	11	14	
	14	12	12	21	28	15	16	10	29	
	38	11	11	19	18	20	22	13	12	
4	35,35	14	11,14	13	30	24	11	13	13	
	15	12	11	19	31	15	17	10	25	
	40	12	13	18	17	22	23	10	12	

Summary Comments

This test was designed to allow participants to assess their proficiency in the analysis and comparison of dried stains, where participants are advised of the body fluid(s) present in the questioned stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was created using blood from a female donor. Item 2 and Item 4 were created using blood from the same male donor. Item 3 was created using blood from an additional male donor whose known standard was not provided. Refer to the Manufacturer's Information for preparation details.

DNA Analysis

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

For YSTR results, all participants reported consistent results.

DNA Interpretations

Of the 188 participants that returned DNA results, 171 reported DNA interpretations for one or both questioned stains. Sixteen participants stated the samples were analyzed for database purposes only and one did not respond.

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

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

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

2476W7	PowerPlex® Fusion 5C					
		16,16	19,20	11,14	14,15	7,13
1		9,12	13,13	14,15	18,21	9,13
		13,14	13.2,15	32.2,32.2	15,15	X,X
		19,20	9,12	14,15		8,9
		16,16	No Results			11,12
28QX89	GlobalFiler™					
		16,16	19,20	11,14	14,15	7,13
1		9,12	13,13	14,15	18,21	9,13
		13,14	13.2,15	32.2,32.2	15,15	X,X
		19,20		27.2,29.2		8,9
		16,16				11,12
2DG8H8	Investigator® 24plex QS					
		16,16	19,20	11,14	14,15	7,13
1		9,12	13,13	14,15	18,21	9,13
		13,14	13.2,15	32.2,32.2	15,15	X,X
		19,20		27.2,29.2		8,9
		16,16				11,12
2VFKTT	PowerPlex® Fusion 6C					
		16	19,20	11,14	14,15	7,13
1		9,12	13	14,15	18,21	9,13
		13,14	13.2,15	32.2	15	X
		19,20	9,12	14,15	27.2,29.2	8,9
		16				11,12
2ZT6YE	PowerPlex® Fusion 6C					
		16	19,20	11,14	14,15	7,13
1		9,12	13	14,15	18,21	9,13
		13,14	13.2,15	32.2	15	X
		19,20	9,12	14,15	27.2,29.2	8,9
		16				11,12
33DC2M	Investigator® 24plex QS					
		16,16	19,20	11,14	14,15	7,13
1		9,12	13,13	14,15	18,21	9,13
		13,14	13.2,15	32.2,32.2	15,15	X,X
		19,20		27.2,29.2		8,9
		16,16	No Results			11,12

TABLE 1

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

37CQLR	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16					
38MXKD	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
39MNY9	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
3CMUK7	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
3T48NW	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
3TNN4Y	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
439E4W	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

47BBVC	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
4B2MNN	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16					
4PNYZX	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16					
4WJ229	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	XX	11
	19,20			27.2,29.2	8,9	11,12
	16					
4ZGFPY	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	XX	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	
64G4P7	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
68WLYB	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	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

6A27NV	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16					
6A4RKC	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
6GKCL3	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
6R7GVM	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
6V6RN3	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				
6Y64K2	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
6ZE9XQ	PowerPlex® 24 Fusion					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

73YJA2	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
74FDBB	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
769KE9	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
76PHNY	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	
7CMBWT	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
7CP3NA	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	NR			NR	
7LXCHU	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	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

7MNTF9	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
7Y3T4P	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
88UGMY	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
8KJFE2	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
8XK2TJ	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
92HXX6	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
97DTEJ	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

986RRG	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results			No Results	
9BQEK6	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
9CJAXX	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	N/A
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	N/A	N/A	27.2,29.2	8,9	11,12
	16,16	N/A	N/A	N/A	N/A	
9FHL6X	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
9JZ7PT	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
9VBFF4	PowerPlex® Fusion 5C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	inc	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	na				
9XJE2X	PowerPlex®					
	16,16	19,20		14,15	7,13	14,14
1	9,12	13,13		18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2		X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

AAD6AH	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	/
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	/	/	27.2,29.2	8,9	11,12
	16,16	/	/	/	/	
AEJX2T	PowerPlex® Fusion 5C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
ANRMN6	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
AQV9R4	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	--
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	--	--	27.2,29.2	8,9	11,12
	16,16	--	--	--	--	
AUDPMU	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	n/a
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	n/a	n/a	27.2,29.2	8,9	11,12
	16,16	n/a	n/a	n/a	n/a	
AW3PA6	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
B8EG7D	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				

TABLE 1

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

Item 1 - STR Results

BC9FG3	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	--			--	
BEXJDF	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results				
BLZNA7	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
BPH2UU	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
BZZMW3	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
CGLFDU	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	
CPUA8M	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	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

CULE2Q	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
CVZ2H6	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
D264X7	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
D27UD2	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
DAXCJW	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	--			--	
DEPJ26	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
DGFMYH	Identifiler®					
		19,20		14,15	7,13	
1	9,12	13,13			9,13	11,11
	13,14	13.2,15	32.2,32.2		XX	11,11
	19,20				8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

DNGW6B	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16					
DTA2WU	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				
DTUHCW	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
E6H4VW	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
EMJ22Y	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
ENUT9U	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
EU7MDR	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

F2KVET	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
FG6T6M	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
FQGZVN	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
FQUG3B	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				
FV82AW	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
FZ6HNB	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results			No Results	
G2UKTQ	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		

TABLE 1

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

Item 1 - STR Results

G36DHX	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
G4WCWW	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	--			--	
GFDWGT	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
GGNVDM	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	N/A
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	N/A	N/A	27.2,29.2	8,9	11,12
	16,16	N/A	N/A	N/A	N/A	
GJRUNF	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	-----
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	-----	-----	-----	-----	-----
GLHT3E	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
GQR42Z	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	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

GY66EN	PowerPlex® Fusion 5C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				
GYJRPB	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results				
H3KW3V	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	--			--	
HC9NPN	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	
HFNH3Z	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
HFQ6KD	Identifiler® Plus, NGM SElect					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
HM7N2R	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	--			--	

TABLE 1

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

Item 1 - STR Results

JBBWWE	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
JHT3V7	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
JMWQP	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results			No Results	
JYKVLV	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
K8NNBJ	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
KDU99P	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	--			--	
KPNRMU	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	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

KQFN CN	PowerPlex® Fusion 5C					
1	16,16	19,20	11,14	14,15	7,13	
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				
KZ4EXG	PowerPlex® Fusion 5C					
1	16,16	19,20	11,14	14,15	7,13	
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16					
L42FD4	Investigator® 24plex QS					
1	16,16	19,20	11,14	14,15	7,13	
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results				
L82Q8H	Investigator® 24plex QS					
1	16,16	19,20	11,14	14,15	7,13	N/A
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	N/A	N/A	27.2,29.2	8,9	11,12
	16,16	N/A	N/A	N/A	N/A	N/A
L849DU	GlobalFiler™ (STRmix)					
1	16	19,20	11,14	14,15	7,13	
	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
L9TMWC	GlobalFiler™ 2301017 (Gene Mapper ID X v1.6)					
1	16,16	19,20	11,14	14,15	7,13	
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
LDVJNR	PowerPlex® Fusion 5C					
1	16	19,20	11,14	14,15	7,13	
	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	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

LKB8F9	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
LL27U8	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
LMGPE6	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results				
LQWW34	Investigator® 24plex QS, MiniFiler					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
LRUALQ	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
LT2RJJ	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
LUCRGF	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	XX	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	

TABLE 1

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

Item 1 - STR Results

M9EBZT	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
MCH6ZJ	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
MEE3ZA	Identifiler® Plus, GlobalFiler™ (GeneMapper™ ID-X 1.6)					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
MPWJTG	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
MR32QC	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
MWXY9	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16					
N2A3PH	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	-
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	-	-	-	-	

TABLE 1

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

Item 1 - STR Results

NAGTBT	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
NBXUCA	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
NJR3W2	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	No Results	No Results	No Results		
PHPWQQ	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
PJPM7L	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
PVC2Z9	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
Q7G48R	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	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

QCJEVB	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	
QJ3KRH	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results				
QL7FBL	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
QUK6CE	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	N/A
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	N/A	N/A	27.2,29.2	8,9	11,12
	16,16	N/A	N/A	N/A	N/A	
R46VBC	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
R8488C	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
RCDMGZ	PowerPlex® Fusion 5C, MiniFiler					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15		8,9	11,12
	16,16	No Results				

TABLE 1

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

Item 1 - STR Results

RCX28Y	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results			No Results	
RGTV6Z	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
RWJZ9M	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
T2TLLC	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
TBZ74M	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
TM9XML	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
U742MM	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	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

UA3BZB	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					
UAK9BM	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
UMNRLM	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
UN6NEM	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
URL9YG	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
UW3CCD	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
UWDDXC	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	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

VMMYLU	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results				
VQ4QB2	Identifiler® Plus					
		19,20		14,15	7,13	
1	9,12	13,13			9,13	11,11
	13,14	13.2,15	32.2,32.2		X,X	11,11
	19,20				8,9	11,12
	16,16					
VQLHLK	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
W3CTA4	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
W3EE6K	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
WJGZN7	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16	NM			NM	
WKVMX8	Investigator® 24plex QS					
	16,16	19,20	11,14	14,15	7,13	n/a
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	n/a	n/a	27.2,29.2	8,9	11,12
	16,16	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

WNRBEE	PowerPlex® 17					
1	16,16	19,20	11,14	14,15		
		13,13	14,15	18,21		11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	
	19,20			27.2,29.2	8,9	
	16,16					
WXYTCD	GlobalFiler™					
1	16,16	19,20	11,14	14,15	7,13	
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	No Results			No Results	
WYAR8L	PowerPlex® Fusion 6C					
1	16	19,20	11,14	14,15	7,13	
	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
WYFVAD	PowerPlex® Fusion 6C					
1	16	19,20	11,14	14,15	7,13	
	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
WZBJLG	GlobalFiler™					
1	16	19,20	11,14	14,15	7,13	
	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
XT6BC7	Investigator® 24plex QS					
1	16,16	19,20	11,14	14,15	7,13	N/A
	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20	N/A	N/A	27.2,29.2	8,9	11,12
	16,16	N/A	N/A	N/A	N/A	N/A
XUW8ZZ	GlobalFiler™					
1	16	19,20	11,14	14,15	7,13	
	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	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

Y2BFYG	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
Y3N3JG	PowerPlex® Fusion 6C					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16	NR	NR	NR		
Y6QZLE	PowerPlex® Fusion					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15		8,9	11,12
	16	NR				
YEFXBG	GlobalFiler™ Express					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	XX	11
	19,20			27.2,29.2	8,9	11,12
	16	NR			NR	
YEHLRU	GlobalFiler™ (STRmix)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
YJV7YF	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
YR7GG8	PowerPlex® Fusion (GeneMapper(R) ID-X)					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	XX	11,11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

YWXUTV	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X,X	11
	19,20			27.2,29.2	8,9	11,12
	16					
Z8AGE2	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
ZA3D4V	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	16					
ZLVUTW	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
ZRHM6V	GlobalFiler™ Express					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16	0			0	
ZUQYKC	GlobalFiler™					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
ZVHV97	GlobalFiler™					
	16,16	19,20	11,14	14,15	7,13	
1	9,12	13,13	14,15	18,21	9,13	11,11
	13,14	13.2,15	32.2,32.2	15,15	X,X	11,11
	19,20			27.2,29.2	8,9	11,12
	16,16					

TABLE 1

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

Item 1 - STR Results

ZXLQT9	GlobalFiler™ (STRmix v2.7.0)					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20			27.2,29.2	8,9	11,12
	16					
ZZY927	PowerPlex® Fusion 6C					
	16	19,20	11,14	14,15	7,13	
1	9,12	13	14,15	18,21	9,13	11
	13,14	13.2,15	32.2	15	X	11
	19,20	9,12	14,15	27.2,29.2	8,9	11,12
	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

2476W7	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
28QX89	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
2DG8H8	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
2VFKTT	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
2ZT6YE	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
33DC2M	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
37CQLR	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

38MXKD	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
39MNY9	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
3CMUK7	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
3T48NW	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
3TNN4Y	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
439E4W	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
47BBVC	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

4B2MNN	GlobalFiler™					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22			23.2,32.2	6,9.3
		16,20	11			2
4PNYZX	PowerPlex® Fusion 6C					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22	11,14	12,17	23.2,32.2	6,9.3
		16,20	11	18	17	
4WJ229	GlobalFiler™ Express					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22			23.2,32.2	6,9.3
		16,20	11			2
4ZGFPY	GlobalFiler™ Express					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22			23.2,32.2	6,9.3
		16,20	11			2
64G4P7	PowerPlex® Fusion 6C					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22	11,14	12,17	23.2,32.2	6,9.3
		16,20	11	18	17	
68WLYB	PowerPlex® Fusion 6C					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22	11,14	12,17	23.2,32.2	6,9.3
		16,20	11	18	17	
6A27NV	PowerPlex® Fusion 6C					
		17,17.3	19,25	11,14	15,17	11,12
2		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22	11,14	12,17	23.2,32.2	6,9.3
		16,20	11	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 2 - STR Results

6A4RKC	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
6GKCL3	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
6R7GVM	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
6V6RN3	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
6Y64K2	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
6ZE9XQ	PowerPlex® 24 Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
73YJA2	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	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 2 - STR Results

74FDBB	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
769KE9	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
76PHNY	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
7CMBWT	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
7CP3NA	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
7LXCHU	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
7MNTE9	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	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 2 - STR Results

7Y3T4P	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
88UGMY	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
8KJFE2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
8XK2TJ	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
92HXX6	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
97DTEJ	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
986RRG	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

9BQEK6	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
9CJAXX	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	N/A
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
9FHL6X	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
9JZ7PT	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
9VBFF4	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
9XJE2X	PowerPlex®					
	17,17.3	19,25		15,17	11,12	18,21.3
2	8,13	13,14		18,22	11,11	10,14
	15,18	14.2,15	29,33.2		X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20					
AAD6AH	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	/
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	/	/	23.2,32.2	6,9.3	8,8
	16,20	11	/	/	2	

TABLE 1

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

Item 2 - STR Results

AEJX2T	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
ANRMN6	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
AQV9R4	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	--
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	--	--	23.2,32.2	6,9.3	8,8
	16,20	11	--	--	2	
AUDPMU	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	n/a
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	n/a	n/a	23.2,32.2	6,9.3	8,8
	16,20	11	n/a	n/a	n/a	
AW3PA6	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
B8EG7D	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
BC9FG3	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

BEXJDF	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
BLZNA7	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
BPH2UU	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
BZZMW3	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
CGLFDU	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
CPUA8M	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
CULE2Q	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				

TABLE 1

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

Item 2 - STR Results

CVZ2H6	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
D264X7	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
D27UD2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
DAXCJW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
DEPJ26	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
DGFMYH	Identifiler®					
		19,25		15,17	11,12	
2	8,13	13,14			11,11	10,14
	15,18	14.2,15	29,33.2		X,Y	10,12
	20,22				6,9.3	8,8
	16,20					
DNGW6B	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				

TABLE 1

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

Item 2 - STR Results

DTA2WU	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
DTUHCW	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
E6H4VW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
EMJ22Y	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ENUT9U	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
EU7MDR	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
F2KVET	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

FG6T6M	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
FQGZVN	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
FQUG3B	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
FV82AW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
FZ6HNB	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
G2UKTQ	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
G36DHX	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	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 2 - STR Results

G4WCWW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
GFDWGT	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
GGNVDM	Investigator® 24plex GO!					
	17,17.3	19,25	11,14	15,17	11,12	N/A
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
GJRUNF	PowerPlex® Fusion 6C (LRmix Studio)					
	17,17.3	19,25	11,14	15,17	11,12	-----
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17	-----	
GLHT3E	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
GQR42Z	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
GY66EN	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				

TABLE 1

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

Item 2 - STR Results

GYJRPB	Investigator® 24plex QS						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11					
H3KW3V	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		
HC9NPN	GlobalFiler™ Express						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20	11			2		
HFNH3Z	PowerPlex® Fusion 6C						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17			
HFQ6KD	Identifiler® Plus, NGM SElect						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20						
HM7N2R	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		
JBBWWE	GlobalFiler™ Express						
		17,17.3	19,25	11,14	15,17	11,12	
	2	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		

TABLE 1

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

Item 2 - STR Results

JHT3V7	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
JMWQP	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
JYKVLV	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
K8NNBJ	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
KDU99P	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
KPNRMU	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
KQFN CN	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				

TABLE 1

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

Item 2 - STR Results

KZ4EXG	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
L42FD4	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
L82Q8H	Investigator® 24plex GO!					
	17,17.3	19,25	11,14	15,17	11,12	N/A
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
L849DU	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
L9TMWC	GlobalFiler™ 2301017 (Gene Mapper ID X v1.6)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
LDVJNR	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
LKB8F9	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

LL27U8	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
LMGPE6	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
LQWW34	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
LRUALQ	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
LT2RJJ	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
LUCRGF	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
M9EBZT	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	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 2 - STR Results

MCH6ZJ	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
MEE3ZA	Identifiler® Plus, GlobalFiler™ (GeneMapper™ ID-X 1.6)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
MPWJTG	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
MR32QC	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
MWXY9	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
N2A3PH	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	-
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17	-	
NAGTBT	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

NBXUCA	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
NJR3W2	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
PHPWQQ	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
PJPM7L	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
PVC2Z9	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
Q7G48R	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
QCJEVB	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

QJ3KRH	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
QL7FBL	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
QUK6CE	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	N/A
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
R46VBC	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
R8488C	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
RCDMGZ	PowerPlex® Fusion 5C, GlobalFiler™ Express, MiniFiler					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11			2	
RCX28Y	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

RGTV6Z	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
RWJZ9M	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
T2TLLC	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
TBZ74M	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
TM9XML	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
U742MM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
UA3BZB	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

UAK9BM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
UMNRLM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
UN6NEM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
URL9YG	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
UW3CCD	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
UWDDXC	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
VMMYLU	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				

TABLE 1

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

Item 2 - STR Results

VQ4QB2	Identifiler® Plus					
		19,25		15,17	11,12	
2	8,13	13,14			11,11	10,14
	15,18	14.2,15	29,33.2		X,Y	10,12
	20,22				6,9.3	8,8
	16,20					
VQLHLK	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
W3CTA4	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
W3EE6K	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
WJGZN7	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
WKVMX8	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	n/a
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	n/a	n/a	23.2,32.2	6,9.3	8,8
	16,20	11	n/a	n/a	n/a	
WNRBEE	PowerPlex®					
	17,17.3	19,25	11,14	15,17		
2		13,14	14,14	18,22		10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	
	20,22			23.2,32.2	6,9.3	
	16,20					

TABLE 1

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

WXYTCD	GlobalFiler™						
	17,17.3	19,25	11,14	15,17	11,12		
	2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12	
	20,22			23.2,32.2	6,[9.3]	8,8	
	16,20	11			2		
WYAR8L	PowerPlex® Fusion 6C						
	17,17.3	19,25	11,14	15,17	11,12		
	2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12	
	20,22	11,14	12,17	23.2,32.2	6,9.3	8	
	16,20	11	18	17			
WYFVAD	PowerPlex® Fusion 6C						
	17,17.3	19,25	11,14	15,17	11,12		
	2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12	
	20,22	11,14	12,17	23.2,32.2	6,9.3	8	
	16,20	11	18	17			
WZBJLG	GlobalFiler™						
	17,17.3	19,25	11,14	15,17	11,12		
	2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12	
	20,22			23.2,32.2	6,9.3	8	
	16,20	11			2		
XT6BC7	Investigator® 24plex QS						
	17,17.3	19,25	11,14	15,17	11,12	N/A	
	2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12	
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8	
	16,20	11	N/A	N/A	N/A		
XUW8ZZ	GlobalFiler™						
	17,17.3	19,25	11,14	15,17	11,12		
	2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12	
	20,22			23.2,32.2	6,9.3	8	
	16,20	11			2		
Y2BFYG	PowerPlex® Fusion 6C						
	17,17.3	19,25	11,14	15,17	11,12		
	2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12	
	20,22	11,14	12,17	23.2,32.2	6,9.3	8	
	16,20	11	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 2 - STR Results

Y3N3JG	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
Y6QZLE	PowerPlex® Fusion					
	17,17.3	29,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
YEFXBG	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
YEHLRU	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
YJV7YF	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
YR7GG8	PowerPlex® Fusion (GeneMapper(R) ID-X)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
YWXUTV	GlobalFiler™ (STRMix)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

Z8AGE2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZA3D4V	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
ZLVUTW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZRHM6V	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
ZUQYKC	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZVHV97	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
ZXLQT9	GlobalFiler™ (STRmix v2.7.0)					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 2 - STR Results

ZZY927	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
2	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	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 3 - STR Results

2476W7	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10				
28QX89	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
2DG8H8	PowerPlex® Fusion 5C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
2VFKTT	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
2ZT6YE	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
33DC2M	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
37CQLR	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

38MXKD	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
39MNY9	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
3CMUK7	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
3T48NW	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
3TNN4Y	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
439E4W	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10				
47BBVC	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

4PNYZX	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
4ZGFPY	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
64G4P7	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
68WLYB	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
6A27NV	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
6A4RKC	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
6GKCL3	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

6R7GVM	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
6V6RN3	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
6Y64K2	GlobalFiler™ (STRmix)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
6ZE9XQ	PowerPlex® 24 Fusion					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
73YJA2	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
74FDBB	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
769KE9	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	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

76PHNY	GlobalFiler™					
		15	23,26	12,14	15	10,11
3		12,13	13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2	10,12	X,Y 10
		23,24			16,29.2	7,9 8,9
		14,16	10			2
7CMBWT	PowerPlex® Fusion					
		15	23,26	12,14	15	10,11
3		12,13	13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2	10,12	X,Y 10
		23,24	11,12	7,13		7,9 8,9
		14,16	10			
7LXCHU	PowerPlex® Fusion					
		15	23,26	12,14	15	10,11
3		12,13	13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2	10,12	X,Y 10
		23,24	11,12	7,13		7,9 8,9
		14,16	10			
7MNTF9	PowerPlex® Fusion 6C					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2,31.2	10,12	X,Y 10,10
		23,24	11,12	7,13	16,29.2	7,9 8,9
		14,16	10	19	18	
7Y3T4P	PowerPlex® Fusion 6C (STRmix v2.9)					
		15	23,26	12,14	15	10,11
3		12,13	13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2	10,12	X,Y 10
		23,24	11,12	7,13	16,29.2	7,9 8,9
		14,16	10	19	18	
88UGMY	GlobalFiler™					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2,31.2	10,12	X,Y 10,10
		23,24			16,29.2	7,9 8,9
		14,16	10			2
8KJFE2	GlobalFiler™					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12 10,12
		18,19	12,15	31.2,31.2	10,12	X,Y 10,10
		23,24			16,29.2	7,9 8,9
		14,16	10			2

TABLE 1

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

Item 3 - STR Results

97DTEJ	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
986RRG	PowerPlex® Fusion 5C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
9CJAAX	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	N/A
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	N/A	N/A	16,29.2	7,9	8,9
	14,16	10	N/A	N/A	N/A	
9FHL6X	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
9JZ7PT	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
9VBFF4	PowerPlex® Fusion 5C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
9XJE2X	PowerPlex®					
	15,15	23,26		15,15	10,11	17,18
3	12,13	13,13		15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2		X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16					

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

AAD6AH	GlobalFiler™					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12
		18,19	12,15	31.2,31.2	10,12	X,Y
		23,24	/	/	16,29.2	7,9
		14,16	10	/	/	2
AEJ2T	PowerPlex® Fusion 5C					
		15	23,26	12,14	15	10,11
3		12,13	13	13,16	15,18.3	11,12
		18,19	12,15	31.2	10,12	X,Y
		23,24	11,12	7,13		7,9
		14,16	10			
ANRMN6	PowerPlex® Fusion 6C					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12
		18,19	12,15	31.2,31.2	10,12	X,Y
		23,24	11,12	7,13	16,29.2	7,9
		14,16	10	19	18	
AQV9R4	GlobalFiler™					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12
		18,19	12,15	31.2,31.2	10,12	X,Y
		23,24	--	--	16,29.2	7,9
		14,16	10	--	--	2
AUDPMU	Investigator® 24plex QS					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12
		18,19	12,15	31.2,31.2	10,12	X,Y
		23,24	n/a	n/a	16,29.2	7,9
		14,16	10	n/a	n/a	n/a
AW3PA6	PowerPlex® Fusion 6C					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12
		18,19	12,15	31.2,31.2	10,12	X,Y
		23,24	11,12	7,13	16,29.2	7,9
		14,16	10	19	18	
B8EG7D	Investigator® 24plex QS					
		15,15	23,26	12,14	15,15	10,11
3		12,13	13,13	13,16	15,18.3	11,12
		18,19	12,15	31.2,31.2	10,12	X,Y
		23,24			16,29.2	7,9
		14,16	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 3 - STR Results

BC9FG3	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
BEXJDF	PowerPlex® Fusion 5C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
BLZNA7	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
BPH2UU	PowerPlex® Fusion 6C (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
BZZMW3	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
CGLFDU	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
CPUA8M	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

CULE2Q	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
CVZ2H6	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
D264X7	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
D27UD2	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
DAXCJW	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
DEPJ26	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
DGFMYH	Identifiler®					
		23,26		15,15	10,11	
3	12,13	13,13			11,12	10,12
	18,19	12,15	31.2,31.2		X,Y	10,10
	23,24				7,9	8,9
	14,16					

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

DNGW6B	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
DTA2WU	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
DTUHCW	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
E6H4VW	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
EMJ22Y	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
ENUT9U	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
EU7MDR	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

F2KVET	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
FG6T6M	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
FQGZVN	PowerPlex® Fusion 6C (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
FQUG3B	GlobalFiler™ (STRmix V2.5.11)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
FV82AW	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
FZ6HNB	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
G2UKTQ	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	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

G36DHX	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
G4WCWW	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
GFDWGT	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
GGNVDM	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	N/A
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	N/A	N/A	16,29.2	7,9	8,9
	14,16	10	N/A	N/A	N/A	
GJRUNF	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	-----
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18	-----	
GLHT3E	PowerPlex® Fusion 6C (STRmix 2.9)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
GQR42Z	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

GY66EN	GlobalFiler™						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
GYJRPB	PowerPlex® Fusion 6C (STRmix)						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18			
H3KW3V	GlobalFiler™						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
HC9NPN	GlobalFiler™						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
HFNH3Z	PowerPlex® Fusion 6C						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18			
HFQ6KD	Identifiler® Plus, NGM SElect						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24			16,29.2	7,9	8,9
	14,16						
HM7N2R	GlobalFiler™						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		

TABLE 1

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

Item 3 - STR Results

JBBWWE	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
JHT3V7	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
JMWQP	PowerPlex® Fusion 6C (STRmix)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
JYKPLY	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
K8NNBJ	PowerPlex® Fusion 6C (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
KDU99P	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
KPNRMU	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	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

KQFNCN	GlobalFiler™ (STRmix V2.5.1.1)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
KZ4EXG	PowerPlex® Fusion 5C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
L42FD4	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
L82Q8H	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	N/A
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	N/A	N/A	16,29.2	7,9	8,9
	14,16	10	N/A	N/A	N/A	
L849DU	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
L9TMWC	GlobalFiler™ 2301017 (Gene Mapper ID X v1.6)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10,10			2	
LDVJNR	PowerPlex® Fusion 5C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	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 3 - STR Results

LKB8F9	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
LMGPE6	PowerPlex® Fusion 5C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
LRUALQ	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
LT2RJJ	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10				
LUCRGF	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
M9EBZT	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
MCH6ZJ	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

MEE3ZA	Identifiler® Plus, GlobalFiler™ (GeneMapper™ ID-X 1.6)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
MPWJTG	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
MR32QC	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
MWXY9	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
N2A3PH	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	-
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18	-	
NAGTBT	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
NBXUCA	GlobalFiler™ Express					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

NJR3W2	GlobalFiler™						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
PHPWQQ	PowerPlex® Fusion 6C						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18			
PJPM7L	PowerPlex® Fusion 6C						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18			
PVC2Z9	GlobalFiler™ Express						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
Q7G48R	GlobalFiler™ (STRmix)						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
QCJEVB	GlobalFiler™						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
QJ3KRH	PowerPlex® Fusion 5C (STRmix)						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24	11,12	7,13		7,9	8,9
	14,16	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 3 - STR Results

QL7FBL	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
QUK6CE	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	N/A
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	N/A	N/A	16,29.2	7,9	8,9
	14,16	10	N/A	N/A	N/A	
R46VBC	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
R8488C	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
RCX28Y	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
RWJZ9M	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
T2TLLC	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

TBZ74M	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
TM9XML	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
U742MM	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
UA3BZB	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
UAK9BM	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
UMNRLM	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
UN6NEM	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

URL9YG	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
UW3CCD	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
UWDDXC	PowerPlex® Fusion 6C (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
VMMYLU	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
VQ4QB2	Identifiler® Plus					
		23,26		15,15	10,11	
3	12,13	13,13			11,12	10,12
	18,19	12,15	31.2,31.2		X,Y	10,10
	23,24				7,9	8,9
	14,16					
VQLHKL	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
W3CTA4	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

W3EE6K	GlobalFiler™ (STRmix)						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
WJGZN7	GlobalFiler™						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24			16,29.2	7,9	8,9
	14,16	10			2		
WKVMX8	Investigator® 24plex QS						
		15,15	23,26	12,14	15,15	10,11	n/a
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24	n/a	n/a	16,29.2	7,9	8,9
	14,16	10	n/a	n/a	n/a		
WNRBEE	PowerPlex®						
		15,15	23,26	12,14	15,15		
	3		13,13	13,16	15,18.3		10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	
		23,24			16,29.2	7,9	
	14,16						
WXYTCD	PowerPlex® Fusion 5C (STRmix v2.5.11)						
		15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2,31.2	10,12	X,Y	10,10
		23,24	11,12	7,13		7,9	8,9
	14,16	10					
WYAR8L	PowerPlex® Fusion 6C						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18			
WYFVAD	PowerPlex® Fusion 6C						
		15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12	10,12
		18,19	12,15	31.2	10,12	X,Y	10
		23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	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

WZBJLG	GlobalFiler™					
	15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
XT6BC7	Investigator® 24plex QS					
	15,15	23,26	12,14	15,15	10,11	N/A
	3	12,13	13,13	13,16	15,18.3	11,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	N/A	N/A	16,29.2	7,9	8,9
	14,16	10	N/A	N/A	N/A	
XUW8ZZ	GlobalFiler™					
	15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
Y2BFYG	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
Y3N3JG	PowerPlex® Fusion 6C					
	15,15	23,26	12,14	15,15	10,11	
	3	12,13	13,13	13,16	15,18.3	11,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
Y6QZLE	PowerPlex® Fusion					
	15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13		7,9	8,9
	14,16	10				
YEHLRU	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
	3	12,13	13	13,16	15,18.3	11,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

YJV7YF	PowerPlex® Fusion 6C					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
YR7GG8	PowerPlex® Fusion (GeneMapper(R) ID-X)					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
YWXUTV	GlobalFiler™ (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
Z8AGE2	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
ZA3D4V	PowerPlex® Fusion 6C (STRMix 2.9)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		
ZLVUTW	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
ZRHM6V	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	

TABLE 1

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

Item 3 - STR Results

ZUQYKC	GlobalFiler™					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
ZVHV97	GlobalFiler™					
	15,15	23,26	12,14	15,15	10,11	
3	12,13	13,13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2,31.2	10,12	X,Y	10,10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
ZXLQT9	GlobalFiler™ (STRmix v2.7.0)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24			16,29.2	7,9	8,9
	14,16	10			2	
ZZY927	PowerPlex® Fusion 6C (STRmix)					
	15	23,26	12,14	15	10,11	
3	12,13	13	13,16	15,18.3	11,12	10,12
	18,19	12,15	31.2	10,12	X,Y	10
	23,24	11,12	7,13	16,29.2	7,9	8,9
	14,16	10	19	18		

TABLE 1

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

Item 4 - STR Results

2476W7	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
28QX89	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
2DG8H8	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
2VFKTT	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
2ZT6YE	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
33DC2M	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
37CQLR	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

38MXKD	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
39MNY9	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
3CMUK7	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
3T48NW	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
3TNN4Y	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
439E4W	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
47BBVC	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

4PNYZX	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
4ZGFPY	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
64G4P7	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
68WLYB	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
6A27NV	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
6A4RKC	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
6GKCL3	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

6R7GVM	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
6V6RN3	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
6Y64K2	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
6ZE9XQ	PowerPlex® 24 Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
73YJA2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
74FDBB	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
769KE9	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	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 4 - STR Results

76PHNY	GlobalFiler™					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22			23.2,32.2	6,9.3
		16,20	11			2
7CMBWT	PowerPlex® Fusion					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22	11,14	12,17		6,9.3
		16,20	11			
7LXCHU	PowerPlex® Fusion					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22	11,14	12,17		6,9.3
		16,20	11			
7MNTF9	PowerPlex® Fusion 6C (STRmix)					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22	11,14	12,17	23.2,32.2	6,9.3
		16,20	11	18	17	8,8
7Y3T4P	PowerPlex® Fusion 6C					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14	18,22	11
		15,18	14.2,15	29,33.2	16	X,Y
		20,22	11,14	12,17	23.2,32.2	6,9.3
		16,20	11	18	17	8
88UGMY	GlobalFiler™					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22			23.2,32.2	6,9.3
		16,20	11			2
8KJFE2	GlobalFiler™					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14,14	18,22	11,11
		15,18	14.2,15	29,33.2	16,16	X,Y
		20,22			23.2,32.2	6,9.3
		16,20	11			2

TABLE 1

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

Item 4 - STR Results

97DTEJ	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
986RRG	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
9CJAAX	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	N/A
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
9FHL6X	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
9JZ7PT	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
9VBFF4	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
9XJE2X	PowerPlex®					
	17,17.3	19,25		15,17	11,12	18,21.3
4	8,13	13,14		18,22	11,11	10,14
	15,18	14.2,15	29,33.2		X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20					

TABLE 1

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

AAD6AH	GlobalFiler™					
		17,17.3	19,25	11,14	15,17	11,12 /
4		8,13	13,14	14,14	18,22	11,11 10,14
		15,18	14.2,15	29,33.2	16,16	X,Y 10,12
		20,22	/	/	23.2,32.2	6,9.3 8,8
		16,20	11	/	/	2
AEJX2T	PowerPlex® Fusion 5C					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14	18,22	11 10,14
		15,18	14.2,15	29,33.2	16	X,Y 10,12
		20,22	11,14	12,17		6,9.3 8
		16,20	11			
ANRMN6	PowerPlex® Fusion 6C (STRmix)					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14,14	18,22	11,11 10,14
		15,18	14.2,15	29,33.2	16,16	X,Y 10,12
		20,22	11,14	12,17	23.2,32.2	6,9.3 8,8
		16,20	11	18	17	
AQV9R4	GlobalFiler™					
		17,17.3	19,25	11,14	15,17	11,12 --
4		8,13	13,14	14,14	18,22	11,11 10,14
		15,18	14.2,15	29,33.2	16,16	X,Y 10,12
		20,22	--	--	23.2,32.2	6,9.3 8,8
		16,20	11	--	--	2
AUDPMU	Investigator® 24plex QS					
		17,17.3	19,25	11,14	15,17	11,12 n/a
4		8,13	13,14	14,14	18,22	11,11 10,14
		15,18	14.2,15	29,33.2	16,16	X,Y 10,12
		20,22	n/a	n/a	23.2,32.2	6,9.3 8,8
		16,20	11	n/a	n/a	n/a
AW3PA6	PowerPlex® Fusion 6C (STRmix)					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14,14	18,22	11,11 10,14
		15,18	14.2,15	29,33.2	16,16	X,Y 10,12
		20,22	11,14	12,17	23.2,32.2	6,9.3 8,8
		16,20	11	18	17	
B8EG7D	Investigator® 24plex QS					
		17,17.3	19,25	11,14	15,17	11,12
4		8,13	13,14	14,14	18,22	11,11 10,14
		15,18	14.2,15	29,33.2	16,16	X,Y 10,12
		20,22			23.2,32.2	6,9.3 8,8
		16,20	11			

TABLE 1

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

Item 4 - STR Results

BC9FG3	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
BEXJDF	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
BLZNA7	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
BPH2UU	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
BZZMW3	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
CGLFDU	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
CPUA8M	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

CULE2Q	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
CVZ2H6	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
D264X7	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
D27UD2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
DAXCJW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
DEPJ26	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
DGFMYH	Identifiler®					
		19,25		15,17	11,12	
4	8,13	13,14			11,11	10,14
	15,18	14.2,15	29,33.2		X,Y	10,12
	20,22				6,9.3	8,8
	16,20					

TABLE 1

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

DNGW6B	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		
DTA2WU	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		
DTUHCW	GlobalFiler™ (STRmix)						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20	11			2		
E6H4VW	GlobalFiler™ (STRmix)						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20	11			2		
EMJ22Y	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20	11			2		
ENUT9U	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		
EU7MDR	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2		

TABLE 1

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

Item 4 - STR Results

F2KVET	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
FG6T6M	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
FQGZVN	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
FQUG3B	GlobalFiler™ (STRmix V2.5.11)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
FV82AW	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
FZ6HNB	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
G2UKTQ	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	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 4 - STR Results

G36DHX	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
G4WCWW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
GFDWGT	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
GGNVDM	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	N/A
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
GJRUNF	PowerPlex® Fusion 6C (LRmix Studio)					
	17,17.3	19,25	11,14	15,17	11,12	-----
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17	-----	
GLHT3E	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
GQR42Z	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

GY66EN	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
GYJRPB	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
H3KW3V	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
HC9NPN	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
HFNH3Z	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
HFQ6KD	Identifiler® Plus, NGM SElect					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20					
HM7N2R	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

JBBWWE	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
JHT3V7	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
JMWQP	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
JYKVLV	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
K8NNBJ	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
KDU99P	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
KPNRMU	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	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 4 - STR Results

KQFNCN	GlobalFiler™ (STRmix V2.5.11)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
KZ4EXG	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
L42FD4	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
L82Q8H	Flexplex27					
	17,17.3	19,25	11,14	15,17	11,12	18,21.3
4	8,13	13,14	INC	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	INC	X,Y	10,12
	20,22	N/A	INC	INC	INC	8,8
	16,20	11	18	17	N/A	
L849DU	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
L9TMWC	GlobalFiler™ 2301017 (Gene Mapper ID X v1.6)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11,11			2	
LDVJNR	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				

TABLE 1

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

Item 4 - STR Results

LKB8F9	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
LMGPE6	PowerPlex® Fusion 5C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				
LRUALQ	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
LT2RJJ	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11				
LUCRGF	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
M9EBZT	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
MCH6ZJ	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

MEE3ZA	Identifiler® Plus, GlobalFiler™ (GeneMapper™ ID-X 1.6)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
MPWJTG	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
MR32QC	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
MWXY9	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
N2A3PH	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	-
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17	-	
NAGTBT	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
NBXUCA	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

NJR3W2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
PHPWQQ	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
PJPM7L	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
PVC2Z9	GlobalFiler™ Express					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
Q7G48R	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
QCJEVB	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
QJ3KRH	PowerPlex® Fusion 5C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8,8
	16,20	11				

TABLE 1

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

Item 4 - STR Results

QL7FBL	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
QUK6CE	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	N/A
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
R46VBC	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
R8488C	PowerPlex® Fusion					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
RCX28Y	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
RWJZ9M	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
T2TLLC	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

TBZ74M	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
TM9XML	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
U742MM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
UA3BZB	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
UAK9BM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
UMNRLM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
UN6NEM	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

URL9YG	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
UW3CCD	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
UWDDXC	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
VMMYLU	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
VQ4QB2	Identifiler® Plus					
		19,25		15,17	11,12	
4	8,13	13,14			11,11	10,14
	15,18	14.2,15	29,33.2		X,Y	10,12
	20,22				6,9.3	8,8
	16,20					
VQLHKL	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
W3CTA4	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

W3EE6K	GlobalFiler™ (STRmix)						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20	11			2		
WJGZN7	GlobalFiler™						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22			23.2,32.2	6,9.3	8
	16,20	11			2		
WKVMX8	Investigator® 24plex QS						
		17,17.3	19,25	11,14	15,17	11,12	n/a
	4	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22	n/a	n/a	23.2,32.2	6,9.3	8,8
	16,20	11	n/a	n/a	n/a		
WNRBEE	PowerPlex® 17						
		17,17.3	19,25	11,14	15,17		
	4		13,14	14,14	18,22		10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	
		20,22			23.2,32.2	6,9.3	
	16,20						
WXYTCD	PowerPlex® Fusion 5C (STRmix v2.5.11)						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14,14	18,22	11,11	10,14
		15,18	14.2,15	29,33.2	16,16	X,Y	10,12
		20,22	11,14	12,17		6,9.3	8,8
	16,20	11					
WYAR8L	PowerPlex® Fusion 6C						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17			
WYFVAD	PowerPlex® Fusion 6C						
		17,17.3	19,25	11,14	15,17	11,12	
	4	8,13	13,14	14	18,22	11	10,14
		15,18	14.2,15	29,33.2	16	X,Y	10,12
		20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	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 4 - STR Results

WZBJLG	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
XT6BC7	Investigator® 24plex QS					
	17,17.3	19,25	11,14	15,17	11,12	N/A
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	N/A	N/A	23.2,32.2	6,9.3	8,8
	16,20	11	N/A	N/A	N/A	
XUW8ZZ	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
Y2BFYG	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
Y3N3JG	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
Y6QZLE	PowerPlex® Fusion					
	17,17.3	29,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.3	16	X,Y	10,12
	20,22	11,14	12,17		6,9.3	8
	16,20	11				
YEHLRU	GlobalFiler™ (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

YJV7YF	PowerPlex® Fusion 6C					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
YR7GG8	PowerPlex® Fusion (GeneMapper(R) ID-X)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8,8
	16,20	11	18	17		
YWXUTV	GlobalFiler™ (STRMix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
Z8AGE2	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZA3D4V	PowerPlex® Fusion 6C (STRMix 6C)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		
ZLVUTW	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZRHM6V	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	

TABLE 1

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

Item 4 - STR Results

ZUQYKC	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZVHV97	GlobalFiler™					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14,14	18,22	11,11	10,14
	15,18	14.2,15	29,33.2	16,16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8,8
	16,20	11			2	
ZXLQT9	GlobalFiler™ (STRmix v2.7.0)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22			23.2,32.2	6,9.3	8
	16,20	11			2	
ZZY927	PowerPlex® Fusion 6C (STRmix)					
	17,17.3	19,25	11,14	15,17	11,12	
4	8,13	13,14	14	18,22	11	10,14
	15,18	14.2,15	29,33.2	16	X,Y	10,12
	20,22	11,14	12,17	23.2,32.2	6,9.3	8
	16,20	11	18	17		

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

39MNY9	Yfiler™									
		14	11,14	13	30	24	11	13	13	
	2	15	12	11	19	15	17	23	12	
3CMUK7	Yfiler™									
		14	11,14	13	30	24	11	13	13	
	2	15	12	11	19	15	17	23	12	
3T48NW	Yfiler™ Plus									
		35	14	11,14	13	30	24	11	13	13
	2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12	
3U34L8	Yfiler™ Plus									
		35,35	14	11,14	13	30	24	11	13	13
	2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12	
3X2NZQ	Yfiler™ Plus									
		35	14	11,14	13	30	24	11	13	13
	2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12	
439E4W	Yfiler™ Plus									
		35	14	11,14	13	30	24	11	13	13
	2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12	
479QYW	Yfiler™ Plus									
		35	14	11,14	13	30	24	11	13	13
	2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12	
47BBVC	Yfiler™ Plus									
		35	14	11,14	13	30	24	11	13	13
	2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12	
4B2MNN	PowerPlex® Y 23									
		14	11,14	13	30	24	11	13	13	
	2	15	12	11	19	15	17	25		
	12	13	18	17	23	10	12			
4PNYZX	PowerPlex® Y 23									
		14	11,14	13	30	24	11	13	13	
	2	15	12	11	19	15	17	25		
	12	13	18	17	23	10	12			
4ZGFPY	Yfiler™									
		14	11,14	13	30	24	11	13	13	
	2	15	12	11	19	15	17	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	YGATAH4
Item 2 - YSTR Results									
64G4P7	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
6A4RKC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
6ZE9XQ	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
769KE9	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
76PHNY	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
7CMBWT	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
7LXCHU	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
7MNTF9	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
7Y3T4P	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
92HXX6	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
986RRG	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
AAD6AH	Yfiler™								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12	/	18	17	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	YGATAH4
Item 2 - YSTR Results									
AEJX2T	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
ANRMN6	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
AW3PA6	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
BLZNA7	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
BPH2UU	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
BZZMW3	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
CGLFDU	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
CULE2Q	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
CVZ2H6	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
EU7MDR	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
FG6T6M	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
FQGZVN	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	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	YGATAH4
Item 2 - YSTR Results									
FZ6HNB	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
G2UKTQ	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
GQR42Z	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
HC9NPN	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
HFQ6KD	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
JBBWWE	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
JHT3V7	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
JYKVLV	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
L42FD4	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
L849DU	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
L9TMWC	Yfiler™ 2212074								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
LT2RJL	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	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	YGATAH4

Item 2 - YSTR Results

LUCRGF	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
M9EBZT	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
MCH6ZJ	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
MEE3ZA	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
MPWJTG	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
MR32QC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
NAGTBT	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
NJR3W2	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
PJPM7L	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
Q7G48R	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
QCJEVB	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
QJ3KRH	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	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	YGATAH4
Item 2 - YSTR Results									
QMJKJ	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
R46VBC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
R8488C	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
RGTV6Z	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
T2TLLC	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
TBZ74M	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
U742MM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
UA3BZB	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							23		12
UAK9BM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
UMNRLM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
UN6NEM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
URL9YG	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		
							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	YGATAH4
Item 2 - YSTR Results									
UW3CCD	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
VL9Y36	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
W3CTA4	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
W3EE6K	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
WJGZN7	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
WNRBEE	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
WYFVAD	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
Y3N3JG	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		12
							23		
YEHLRU	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
YR7GG8	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
ZRHM6V	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
2	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
ZZY927	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	11	19		15	17		25
		12	13	18	17		23	10	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	YGATAH4

Item 3 - YSTR Results

39MNY9	Yfiler™								
		15	16,16	13	31	21	10	11	14
	3	14	12	12	21	15	16	22	12
3CMUK7	Yfiler™								
		15	16	13	31	21	10	11	14
	3	14	12	12	21	15	16	22	12
3T48NW	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		12
3U34L8	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		12
3X2NZQ	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		12
439E4W	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		12
479QYW	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		12
47BBVC	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		12
4PNYZX	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
	3	14	12	12	21	15	16	22	13
		11	11	19	18				
4ZGFPY	Yfiler™								
		15	16	13	31	21	10	11	14
	3	14	12	12	21	15	16	22	12
64G4P7	Yfiler™								
		15	16,16	13	31	21	10	11	14
	3	14	12	12	21	15	16	22	12
6A4RKC	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
	38	11		19	18	20	22		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	YGATAH4	
Item 3 - YSTR Results										
6ZE9XQ	PowerPlex® Y 23									
		15	16	13	31	21	10	11	14	
3	14	12	12	21		15	16		29	
		11	11	19	18		22	13	12	
769KE9	Yfiler™									
		15	16,16	13	31	21	10	11	14	
3	14	12	12	21		15	16			
							22		12	
76PHNY	Yfiler™									
		15	16	13	31	21	10	11	14	
3	14	12	12	21		15	16			
							22		12	
7CMBWT	Yfiler™ Plus									
	35,40	15	16	13	31	21	10	11	14	
3	14	12	12	21	28	15	16	10	29	
	38	11		19	18	20	22		12	
7LXCHU	Yfiler™ Plus									
	35,40	15	16	13	31	21	10	11	14	
3	14	12	12	21	28	15	16	10	29	
	38	11		19	18	20	22		12	
7MNTF9	Yfiler™									
		15	16,16	13	31	21	10	11	14	
3	14	12	12	21		15	16			
							22		12	
7Y3T4P	PowerPlex® Y 23									
		15	16	13	31	21	10	11	14	
3	14	12	12	21		15	16		29	
		11	11	19	18		22	13	12	
986RRG	PowerPlex® Y 23									
		15	16,16	13	31	21	10	11	14	
3	14	12	12	21		15	16		29	
		11	11	19	18		22	13	12	
AAD6AH	Yfiler™									
	35,40	15	16,16	13	31	21	10	11	14	
3	14	12	12	21	28	15	16	10	29	
	38	11	/	19	18	20	22	/	12	
AEJX2T	Yfiler™ Plus									
	35,40	15	16	13	31	21	10	11	14	
3	14	12	12	21	28	15	16	10	29	
	38	11		19	18	20	22		12	
ANRMN6	Yfiler™									
		15	16,16	13	31	21	10	11	14	
3	14	12	12	21		15	16			
							22		12	
AW3PA6	Yfiler™									
		15	16,16	13	31	21	10	11	14	
3	14	12	12	21		15	16			
							22		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	YGATAH4
Item 3 - YSTR Results									
BLZNA7	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
BPH2UU	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
		11	11	19	18		22	13	12
BZZMW3	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
CGLFDU	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
							22		12
CULE2Q	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
CVZ2H6	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
EU7MDR	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
FG6T6M	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
FQGZVN	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
		11	11	19	18		22	13	12
FZ6HNB	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
G2UKTQ	Yfiler™								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
							22		12
GQR42Z	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		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	YGATAH4
Item 3 - YSTR Results									
HC9NPN	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		12
							22		
HFQ6KD	PowerPlex® Y 23								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
		11	11	19	18		22	13	12
JBBWWE	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
JHT3V7	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
		11	11	19	18		22	13	12
JYKVLV	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
L42FD4	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
		11	11	19	18		22	13	12
L849DU	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
L9TMWC	Yfiler™ 2212074								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
LT2RJJ	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
LUCRGF	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		
							22		12
M9EBZT	Yfiler™								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		
							22		12
MCH6ZJ	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		
							22		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	YGATAH4
Item 3 - YSTR Results									
MEE3ZA	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
MPWJTG	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
MR32QC	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
NAGTBT	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
NJR3W2	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
PJPM7L	Yfiler™								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		
							22		12
Q7G48R	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
QCJEVB	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		
							22		12
QJ3KRH	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		29
		11	11	19	18		22	13	12
QMJKYKJ	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
R46VBC	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
R8488C	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		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	YGATAH4

Item 3 - YSTR Results

T2TLLC	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		12
							22		
TBZ74M	Yfiler™								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		12
							22		
U742MM	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
UA3BZB	Yfiler™								
		15	16	13	31	21	10	11	14
3	14	12	12	21		15	16		12
							22		
UAK9BM	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
UMNRLM	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
UN6NEM	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
URL9YG	Yfiler™								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		12
							22		
UW3CCD	Yfiler™								
		15	16,16	13	31	21	10	11	14
3	14	12	12	21		15	16		12
							22		
VL9Y36	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
W3CTA4	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		12
W3EE6K	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
3	14	12	12	21	28	15	16	10	29
	38	11		19	18	20	22		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	YGATAH4

Item 3 - YSTR Results

WJGZN7	Yfiler™								
		15	16	13	31	21	10	11	14
	3	14	12	12	21	15	16		12
							22		
WNRBEE	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
	3	14	12	12	21	15	16		29
							22	13	12
WYFVAD	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
							22		29
							22		12
Y3N3JG	Yfiler™								
		15	16,16	13	31	21	10	11	14
	3	14	12	12	21	15	16		
							22		12
YEHLRU	Yfiler™ Plus								
	35,40	15	16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
							22		29
							22		12
YR7GG8	PowerPlex® Y 23								
		15	16	13	31	21	10	11	14
	3	14	12	12	21	15	16		29
							22	13	12
ZRHM6V	Yfiler™ Plus								
	35,40	15	16,16	13	31	21	10	11	14
	3	14	12	12	21	28	15	16	10
							22		29
							22		12
ZZY927	PowerPlex® Y 23								
		15	16,16	13	31	21	10	11	14
	3	14	12	12	21	15	16		29
							22	13	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	YGATAH4
Item 4 - YSTR Results									
39MNY9	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
3CMUK7	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
3T48NW	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
3U34L8	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
3X2NZQ	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
439E4W	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
479QYW	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
47BBVC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
4PNYZX	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
4ZGFPY	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
64G4P7	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
6A4RKC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	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	YGATAH4
Item 4 - YSTR Results									
6ZE9XQ	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
769KE9	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
76PHNY	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
7CMBWT	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
7LXCHU	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
7MNTF9	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
7Y3T4P	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
986RRG	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
AAD6AH	Yfiler™								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12	/	18	17	22	23	/	12
AEJX2T	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
ANRMN6	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
AW3PA6	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							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	YGATAH4
Item 4 - YSTR Results									
BLZNA7	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
BPH2UU	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
BZZMW3	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
CGLFDU	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
CULE2Q	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
CVZ2H6	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
EU7MDR	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
FG6T6M	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
FQGZVN	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
FZ6HNB	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
G2UKTQ	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
GQR42Z	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	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	YGATAH4

Item 4 - YSTR Results

HC9NPN	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
HFQ6KD	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
JBBWWE	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
JHT3V7	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
JYKVLV	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
L42FD4	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
L849DU	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
L9TMWC	Yfiler™ 2212074								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
LT2RJJ	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
LUCRGF	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
M9EBZT	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
MCH6ZJ	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							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	YGATAH4
Item 4 - YSTR Results									
MEE3ZA	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
MPWJTG	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
MR32QC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
NAGTBT	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
NJR3W2	Yfiler™ Plus								
	35,35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
PJPM7L	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
Q7G48R	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
QCJEVB	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		
							23		12
QJ3KRH	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		25
		12	13	18	17		23	10	12
QMJKYJ	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
R46VBC	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
R8488C	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	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	YGATAH4
Item 4 - YSTR Results									
T2TLLC	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		12
							23		
TBZ74M	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		12
							23		
U742MM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
UA3BZB	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		12
							23		
UAK9BM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
UMNRLM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
UN6NEM	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
URL9YG	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		12
							23		
UW3CCD	Yfiler™								
		14	11,14	13	30	24	11	13	13
4	15	12	11	19		15	17		12
							23		
VL9Y36	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
W3CTA4	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	22	23		12
W3EE6K	Yfiler™ Plus								
	35	14	11,14	13	30	24	11	13	13
4	15	12	11	19	31	15	17	10	25
	40	12		18	17	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	YGATAH4

Item 4 - YSTR Results

WJGZN7	Yfiler™								
		14	11,14	13	30	24	11	13	13
	4	15	12	11	19	15	17	23	12
WNRBEE	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	4	15	12	11	19	15	17	25	12
WYFVAD	Yfiler™ Plus								
		35	14	11,14	13	30	24	11	13
	4	15	12	11	19	31	15	17	10
Y3N3JG	Yfiler™								
		14	11,14	13	30	24	11	13	13
	4	15	12	11	19	15	17	23	12
YEHLRU	Yfiler™ Plus								
		35	14	11,14	13	30	24	11	13
	4	15	12	11	19	31	15	17	10
YR7GG8	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	4	15	12	11	19	15	17	25	12
ZRHM6V	Yfiler™ Plus								
		35,35	14	11,14	13	30	24	11	13
	4	15	12	11	19	31	15	17	10
ZZY927	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	4	15	12	11	19	15	17	25	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
QS1	QUK6CE	Q	Q	Q			Q		
	XT6BC7	Q	Q	Q			Q		
QS2	QUK6CE	S	S	S			S		
	XT6BC7	S	S	S			S		

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
2476W7	No	No	No	Yes	4ZGFPY	No	No	No	Yes
28QX89	No	No	No	Yes	64G4P7	No	No	No	Yes
2DG8H8	No	No	No	Yes	68WLYB	No	No	No	Yes
2VFKTT	No	No	No	Yes	6A27NV	No	No	No	Yes
2ZT6YE	No	No	No	Yes	6A4RKC	No	No	No	Yes
33DC2M	No	No	No	Yes	6GKCL3	No	No	No	Yes
37CQLR	No	No	No	Yes	6R7GVM	No	No	No	Yes
38MXKD	No	No	No	Yes	6V6RN3	No	No	No	Yes
39MNY9	No	No	No	Yes	6Y64K2	No	No	No	Yes
3CMUK7	No Interpretations Reported, DNA Analyzed for Database purposes only.				6ZE9XQ	No	No	No	Yes
3T48NW	No	No	No	Yes	73YJA2	No	No	No	Yes
3TNN4Y	No	No	No	Yes	74FDBB	No	No	No	Yes
3U34L8	No Interp	No Interp	No	Yes	769KE9	No	No	No	Yes
3X2NZQ	No Interp	No Interp	No	Yes	76PHNY	No	No	No	Yes
439E4W	No	No	No	Yes	7CMBWT	No	No	No	Yes
479QYW	No Interp	No Interp	No	Yes	7CP3NA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
47BBVC	No	No	No	Yes	7LXCHU	No	No	No	Yes
4B2MNN	No Interpretations Reported, DNA Analyzed for Database purposes only.				7MNTF9	No	No	No	Yes
4PNYZX	No	No	No	Yes	7Y3T4P	No	No	No	Yes
4WJ229	No Interpretations Reported, DNA Analyzed for Database purposes only.				88UGMY	No	No	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
8KJFE2	No Interpretations Reported, DNA Analyzed for Database purposes only.				BPH2UU	No	No	No	Yes
8XK2TJ	No Interpretations Reported, DNA Analyzed for Database purposes only.				BZZMW3	No	No	No	Yes
92HXX6	No Interpretations Reported, DNA Analyzed for Database purposes only.				CGLFDU	No	No	No	Yes
97DTEJ	No	No	No	Yes	CPUA8M	No	No	No	Yes
986RRG	No	No	No	Yes	CULE2Q	No	No	No	Yes
9BQEK6	No Interpretations Reported, DNA Analyzed for Database purposes only.				CVZ2H6	No	No	No	Yes
9CJAAX	No	No	No	Yes	D264X7	No	No	No	Yes
9FHL6X	No	No	No	Yes	D27UD2	No	No	No	Yes
9JZ7PT	No	No	No	Yes	DAXCJW	No	No	No	Yes
9VBFF4	No	No	No	Yes	DEPJ26	No	No	No	Yes
9XJE2X	No	No	No	Yes	DGFMYH	No	No	No	Yes
AAD6AH	No	No	No	Yes	DNGW6B	No	No	No	Yes
AEJX2T	No	No	No	Yes	DTA2WU	No	No	No	Yes
ANRMN6	No	No	No	Yes	DTUHCW	No	No	No	Yes
AQV9R4	No	No	No	Yes	E6H4VW	No	No	No	Yes
AUDPMU	No	No	No	Yes	EMJ22Y	No	No	No	Yes
AW3PA6	No	No	No	Yes	ENUT9U	No	No	No	Yes
B8EG7D	No	No	No	Yes	EU7MDR	No	No	No	Yes
BC9FG3	No	No	No	Yes	F2KVET	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BEXJDF	No	No	No	Yes	FG6T6M	No	No	No	Yes
BLZNA7	No	No	No	Yes	FQGZVN	No	No	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
FQUG3B	No	No	No	Yes	JYKVLV	No	No	No	Yes
FV82AW	No	No	No	Yes	K8NNBJ	No	No	No	Yes
FZ6HNB	No	No	No	Yes	KDU99P	No	No	No	Yes
G2UKTQ	No	No	No	Yes	KPNRMU	No	No	No	Yes
G36DHX	No	No	No	Yes	KQFNCN	No	No	No	Yes
G4WCWW	No	No	No	Yes	KZ4EXG	No	No	No	Yes
GFDWGT	No	No	No	Yes	L42FD4	No	No	No	Yes
GGNVDM	No	No	No	Yes	L82Q8H	No	No	No	Yes
GJRUNF	No	No	No	Yes	L849DU	No	No	No	Yes
GLHT3E	No	No	No	Yes	L9TMWC	No	No	No	Yes
GQR42Z	No	No	No	Yes	LDVJNR	No	No	No	Yes
GY66EN	No	No	No	Yes	LKB8F9	No	No	No	Yes
GYJRPB	No	No	No	Yes	LL27U8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
H3KW3V	No	No	No	Yes	LMGPE6	No	No	No	Yes
HC9NPN	No	No	No	Yes	LQWW34	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HFNH3Z	No	No	No	Yes	LRUALQ	No	No	No	Yes
HFQ6KD	No	No	No	Yes	LT2RJL	No	No	No	Yes
HM7N2R	No	No	No	Yes	LUCRGF	No	No	No	Yes
JBBWWE	No	No	No	Yes	M9EBZT	No	No	No	Yes
JHT3V7	No	No	No	Yes	MCH6ZJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JJMWQP	No	No	No	Yes	MEE3ZA	No	No	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
MPWJTG	No	No	No	Yes	RWJZ9M	No	No	No	Yes
MR32QC	No	No	No	Yes	T2TLLC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MWXTY9	No	No	No	Yes	TBZ74M	No	No	No	Yes
N2A3PH	No	No	No	Yes	TM9XML	No	No	No	Yes
NAGTBT	No	No	No	Yes	U742MM	No	No	No	Yes
NBXUCA	No	No	No	Yes	UA3BZB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NJR3W2	No	No	No	Yes	UAK9BM	No	No	No	Yes
PHPWQQ	No	No	No	Yes	UMNRLM	No	No	No	Yes
PJPM7L	No	No	No	Yes	UN6NEM	No	No	No	Yes
PVC2Z9	No	No	No	Yes	URL9YG	No	No	No	Yes
Q7G48R	No	No	No	Yes	UW3CCD	No	No	No	Yes
QCJEVB	No	No	No	Yes	UWDDXC	No	No	No	Yes
QJ3KRH	No	No	No	Yes	VL9Y36	No Interp	No Interp	No	Yes
QL7FBL	No	No	No	Yes	VMMYLU	No	No	No	Yes
QMJKYK	No Interp	No Interp	No	Yes	VQ4QB2	No	No	No	Yes
QUK6CE	No	No	No	Yes	VQLHKL	No	No	No	Yes
R46VBC	No	No	No	Yes	W3CTA4	No	No	No	Yes
R8488C	No	No	No	Yes	W3EE6K	No	No	No	Yes
RCDMGZ					WJGZN7	No	No	No	Yes
RCX28Y	No	No	No	Yes	WKVMX8	No	No	No	Yes
RGTV6Z	No Interpretations Reported, DNA Analyzed for Database purposes only.				WNRBEE	No	No	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
WXYTCD	No	No	No	Yes	ZZY927	No	No	No	Yes
WYAR8L	No	No	No	Yes					
WYFVAD	No	No	No	Yes					
WZBJLG	No	No	No	Yes					
XT6BC7	No	No	No	Yes					
XUW8ZZ	No	No	No	Yes					
Y2BFYG	No	No	No	Yes					
Y3N3JG	No	No	No	Yes					
Y6QZLE	No	No	No	Yes					
YEFXBG	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YEHLRU	No	No	No	Yes					
YJV7YF	No	No	No	Yes					
YR7GG8	No	No	No	Yes					
YWXUTV	No	No	No	Yes					
Z8AGE2	No	No	No	Yes					
ZA3D4V	No	No	No	Yes					
ZLVUTW	No	No	No	Yes					
ZRHM6V	No	No	No	Yes					
ZUQYKC	No	No	No	Yes					
ZVHV97	No	No	No	Yes					
ZXLQT9	No	No	No	Yes					

DNA Interpretation**Response Summary****Participants reporting DNA results: 188**

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

	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	0	0	0	171
No	166	166	171	0
Inc	0	0	0	0
No Interpretation	5	5	0	0
No Response	1	1	1	1

Participants analyzing DNA for database purposes only: 16

Additional Comments

TABLE 5

WebCode	Additional Comments
2476W7	Authorized in STRs. Not authorized in YSTRs.
28QX89	STRmix analysis was conducted on this test.
2DG8H8	Y-STR not performed. Not authorized in Y-STRs.
33DC2M	Authorized to report STRs. Not authorized to report YSTRs.
39MNY9	NR = no result
3T48NW	NR = no results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
3U34L8	No testing or comparison done for Item 1 due to YSTR only testing being done and Item 1 is a female.
4B2MNN	Authorized in STRs and Y-STRs. Databasing only; evidence Items 3 and 4 not processed. Not authorized to analyze, report or interpret evidence samples.
4ZGFPY	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA investigator Kit via QIASymphony SP platform. Quantification: Item 3 and item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using Globalfiler kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for item 1 and item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 2, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM;non-male profile.
64G4P7	NR= No Result
6GKCL3	Authorized in STRs; not authorized in Y-STRs.
6V6RN3	YSTRs not completed. No authorized in YSTRs.
6Y64K2	Authorized in STR only. Not authorized in YSTR.
73YJA2	Authorized to report STRs. Not authorized to report YSTRs.
769KE9	NR = No result
76PHNY	1. Extraction: In situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. 2. Quantification: DNA Quantification for Item 3 and Item 4 was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction 7500 System. 3. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1 and Item 2 using Globalfiler Express PCR Amplification Kit on the 9700 GeneAmp PCR System. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 3 and Item 4 using Globalfiler PCR Amplification Kit on the 9700 GeneAmp PCR System. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out on Item 2, Item 3 and Item 4 using the AmpF STR Y-Filer PCR Amplification Kit on the 9700 GeneAmp PCR System. 2. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500 xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express), Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystem 3500xL with GeneMapper ID-X Software for Item 2, Item 3 and Item 4. 3. Reagent blank, Positive Control and Negative Control were carried out throughout the analysis and all gave the intended results. 4. NM = Non Male profile

TABLE 5

WebCode	Additional Comments
7CMBWT	NR=No Results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
7CP3NA	NR = No results. No Y-STR DNA performed for databasing.
7LXCHU	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GMID-X. NR = no results.
7MNTF9	NR=No Results
8XK2TJ	Databasing only; Items 3 and 4 not processed since they are evidence samples. Not authorized to analyze, report, or interpret evidence samples. Authorized in STRs. Authorized in YSTRs but not assigned this PT cycle.
92HXX6	NR= no results
AEJX2T	NR indicates no results at a locus. STmix analysis was used in the test. Data reported in this test was from analysis using GeneMapper ID-X
ANRMN6	NR = No Result
AQV9R4	STRmix analysis was conducted on this test.
AW3PA6	NR=No Results
B8EG7D	Y-STR not performed - not authorized in Y-STRs.
BC9FG3	STRmix analysis was conducted on this test.
BEXJDF	Authorized in STRs. Not authorized in YSTRs.
CGLFDU	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit via Qiasymphony SP Platform. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Applied Biosystems GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using Applied Biosystems GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFISTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male profile
CULE2Q	NR = No results. STRmix analysis was performed on Item 4. All reported results from GeneMapper ID-X analysis.
DAXCJW	STRmix analysis was conducted on this test.
DNGW6B	YSTR testing not performed. Not authorized for YSTR.
DTA2WU	Authorized in STRs. Not authorized in YSTRs.
ENUT9U	Authorized in STRs. Not authorized in Y-STRs.

TABLE 5

WebCode	Additional Comments
FG6T6M	NR=No Results. STRmix was used for analysis on this test but the data reported out was analyzed with Genemapper-IDX.
FQUG3B	Authorized in STRs. Not authorized in YSTRs.
G2UKTQ	NR=No Results
G4WCWW	STRmix analysis was conducted on this test.
GY66EN	Authorized in STRs. Not authorized in YSTRs.
GYJRPB	Authorized in STRs. Not authorized in YSTRs.
H3KW3V	STRmix analysis was conducted on this test
HC9NPN	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit via QIASymphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 2, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
HM7N2R	STRmix analysis was conducted on this test.
JBBWWE	1. GlobalFiler™ Express PCR Amplification Kit was used for known blood samples. 2. Automated (QIASymphony SP -magnetic particle technology-) extraction was performed for questioned samples. 3. In item 3, a genetic profile of a Forensic Unknow male was obtained.
JJMWQP	Authorized in STR only. Not authorized in Y-STRs.
KDU99P	STRmix analysis was conducted on this test.
KQFN CN	Authorized in STRs. Authorized in YSTRs but not assigned this PT cycle.
LL27U8	Casework reference analyst; not authorized to report conclusions. Not authorized in YSTRs.
LMGPE6	Authorized in STRs. Not authorized in YSTRs.
LQWW34	Not authorized in serology, mito, or YSTRs. Casework reference analyst; not authorized to process/report evidence samples. Not authorized to report conclusions.
LUCRGF	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI Quantstudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFISTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 2, item 3 and Item 4 (Y-Filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM : non-male profile.

TABLE 5

WebCode	Additional Comments
M9EBZT	NR = no results.
MEE3ZA	According to screening test and confirmatory test, Item3 and Item4 are human blood stains. Item3 is different from the DNA profile of Item1 and Item2. The DNA profile of Item4 comes from Item2.
MPWJTG	STRmix was used during this test. Data reported out in this test is from analysis using GeneMapper ID-X. NR=No results.
MR32QC	Note: 1) NR=No Results. 2) Interpretation was based on GeneMapper ID-X results. 3) STRmix analysis was performed on Item 3.
MWXTY9	Blank spaces in the STR results table indicate that results were not obtained at that locus.
PJPM7L	NR = no results
QCJEVB	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using Qiasymphony DNA Investigator Kit via Qiasymphony SP Platform. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Applied Biosystems Globalfiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using Applied Biosystems Globalfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male profile.
QMJKYJ	Only YSTR analysis was conducted on this test; item 1 (known from female victim) was not tested and therefore no interpretations were completed for that item against questioned items 3 and 4.
R46VBC	STRmix analysis was conducted on this test. NR = no results. Data reported out in this test is from analysis using GeneMapper ID-X.
R8488C	NR = No Results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using Genemapper ID-X.
RCDMGZ	Item 3 and 4 not processed forward. Casework reference analyst; not authorized to report conclusions. Y-STRs not performed, not assigned this PT cycle.
RCX28Y	Authorized in STRs. Not authorized in YSTRs. Items 3 and 4 were processed as differential samples due to the assigned lab support personnel only having proficiency in differential extraction. Ordinarily, these samples would have been extracted as blood samples. No DNA profiles were obtained from the sperm fractions of either item.
RGTV6Z	Databasing only; not authorized to process/report evidence samples. Items 3 and 4 not processed since they are evidence samples.
TBZ74M	NR = No Result
URL9YG	NR = No Result
UW3CCD	NR = No results.
VL9Y36	Y-STR DNA testing only.
VMMYLU	Authorized in STRs. Not authorized in Y-STRs.

TABLE 5

WebCode	Additional Comments
VQ4QB2	Male DNA profile obtained from item 3 does not match the DNA profile obtained from item 2 (male suspect).
WJGZN7	Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 3 and Item 4 were extracted using Qiasymphony DNA Investigator Kit via QIAAsymphony SP. Quantitation: -Item 3 and Item 4 were quantified using Quantifiler Trio Quantification Kit via QS5 system. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express on ProFlex PCR system. -Item 3 and Item 4 were amplified using GlobalFiler on 9700 GeneAmp PCR system. -Item 2, Item 3 and Item 4 were amplified using AmpFISTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -All electrophoresis were carried out using Genetic Analyzer 3500xL. Quality Control: -Reagent blank, Positive Control and Negative Control carried out throughout the analysis all gave intended results. NM : non-male profile
WXYTCD	Serology, Mitochondrial, and Y-STRs not performed. Not authorized in Serology, Mitochondrial, or Y-STRs.
Y3N3JG	NR = no results
YEFXBG	NR = no result
ZLVUTW	Blank spaces in the STR results table indicate that results were not obtained at that locus. The laboratory does not distinguish minor alleles as a probabilistic genotyping system is used and a stochastic threshold is not employed.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 24-5805: DNA-Blood

DATA MUST BE SUBMITTED BY **Nov. 04, 2024, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: F42FYN

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

Scenario:

Police are investigating a homicide case involving a female victim and male suspect. The victim and suspect were seen arguing when the suspect fatally shot the victim. The suspect has been apprehended by police, but the gun has not been located at this time. Police are submitting to your laboratory a stain from the shirt (Item 3) and pants (Item 4) the suspect was wearing at the time of arrest. Screening tests have been performed on both samples with the following results: Item 3 (suspect's shirt) is positive for blood, and Item 4 (suspect's pants) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S5):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from suspect's shirt (green)

Item 4: Questioned blood stain from suspect's pants (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 I (continued): DNA Analysis - Additional DNA

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

Locus	Item 1	Item 2	Item 3	Item 4

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

ANAB Certificate No.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)