



DNA-Semen Test No. 26-5802

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 211 participants and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>4</u>
<u>Table 1: STR Amplification Kit(s) & Results</u>	<u>5</u>
<u>Table 2: YSTR Amplification Kit(s) & Results</u>	<u>152</u>
<u>Table 3: Additional DNA Results</u>	<u>185</u>
<u>Table 4: DNA Interpretations</u>	<u>186</u>
<u>Table 5: Additional Comments</u>	<u>192</u>
<u>Appendix: Data Sheet</u>	

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 and two questioned stains. Participants were asked to analyze these items using their existing protocols.

SAMPLE PREPARATION: Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried into separate envelopes.

SAMPLE PACK ASSEMBLY: One of each item was placed into a pre-labeled sample pack envelope and sealed. The sealed envelopes were then packaged in pre-labeled heat seal envelopes and sealed. Completed sample packs were stored at -20°C until shipment.

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, with the exception of Item 4-Blood in which one participant was unable to obtain a full profile. After completion of an internal investigation, the test was approved for release.

Item	Known/ Questioned	Substrate	Body Fluid	Volume (Mixture Ratio)	Sex	Donor Information
1	Known	White Fabric	Blood	50 µL	Male	Victim
2	Known	White Fabric	Blood	50 µL	Female	Suspect
3	Questioned	Pink Fabric	Blood	50 µL	Female	Suspect
4	Questioned	Blue Fabric	Blood/Semen	50 µL (1:1)	Female/Male	Suspect/Additional Male

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	15,15.3	16,17	14,14	16,18	12,12	*
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16	2	
2	14,14	20,25	10,11	14,14	12,12	*
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NM	NM	NM	NM	
3	14,14	20,25	10,11	14,14	12,12	*
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NM	NM	NM	NM	
4-Blood	14,14	20,25	10,11	14,14	12,12	*
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NM	NM	NM	NM	
4-Semen	17.3,17.3	17,20	10,14	15,18	10,11	*
	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18	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
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	12	21	16	21	21	12	10
4-Semen	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13	12	17	18	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 male donor. Items 2 and 3 were created using blood from the same female donor. Item 4 was created using blood from the same female donor used in Item 2 and semen from a male donor whose known standard was not provided. Refer to the Manufacturer's Information for preparation details.

Data were returned by 211 participants.

DNA Analysis

For STR results, all participants reported consistent results, with the exception of eleven participants, which each reported an inconsistent result for one questioned item. A majority of inconsistent results were noted for Item 4-Blood, in which six participants were missing alleles at multiple loci.

For YSTR results, all but eight participants reported consistent results.

DNA Interpretations

Of the 211 participants that returned DNA results, 186 reported DNA interpretations for one or both questioned stains. Of the remaining twenty-five participants, eleven stated the samples were analyzed for database purposes only, eleven selected the "No Interpretation" option for each conclusion, two did not provide a response for Item 3 conclusions and selected the "No Interpretation" option for Item 4 conclusions, and one did not respond.

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

For Item 4, all participants excluded the victim (Item 1) as a possible contributor to the stain. All but two participants included the suspect (Item 2) as a possible contributor to the stain. The remaining participants reported "Inconclusive."

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

2HAHBL	PowerPlex® Fusion 6C					
		15,15.3	16,17	14,14	16,18	12,12
1		8,10	8,13	14,14	18,21	12,12
		15,15	14,16	29,32.2	15,16	X,Y
		19,23	9,15	7,13	14,27.2	9.3,9.3
		16,17	10	21	16	
<hr/>						
2TUMMR	GlobalFiler™ Express					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23	-	-	14,27.2	9.3
		16,17	10	-	-	2
<hr/>						
32HX98	PowerPlex® Fusion 5C					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23	9,15	7,13		9.3
		16,17	10			8,11
<hr/>						
3DWVEW	PowerPlex® Fusion 6C					
		15,15.3	16,17	14,14	16,18	12,12
1		8,10	8,13	14,14	18,21	12,12
		15,15	14,16	29,32.2	15,16	X,Y
		19,23	9,15	7,13	14,27.2	9.3,9.3
		16,17	10	21	16	8,11
<hr/>						
3FECAL	GlobalFiler™					
		15,15.3	16,17	14,14	16,18	12,12
1		8,10	8,13	14,14	18,21	12,12
		15,15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3,9.3
		16,17	10			2
<hr/>						
3NUXEJ	GlobalFiler™					
		15,15.3	16,17	14,14	16,18	12,12
1		8,10	8,13	14,14	18,21	12,12
		15,15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3,9.3
		16,17	10			8,11

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 1 - STR Results

3U2FY7	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
4D3Y2J	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
4PL6L3	PowerPlex® Fusion					
	15,15.3	16,17	14,14	16,18	12,12	N/A
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	N/A	9,3,9.3	8,11
	16,17	10	N/A	N/A	N/A	
4RQ2NH	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
4UWH4Z	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
634LJX	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
674UPU	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

67KQGT	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
6ANLZW	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
6BT9CF	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
6BXQEK	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10				
6GKE9Q	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
6H2N7X	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
6HFWBR	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

6QCPRX	PowerPlex® 35GY					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17					
6Y2KKL	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3,9.3	8,11
	16,17	10				
79KEAN	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
79PXXQ	PowerPlex® Fusion 6C, GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16	2	
7HBYFL	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
7HFAYF	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
7J8FRJ	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

7M7TB3	GlobalFiler™					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3
		16,17	10			2
7QMYAX	GlobalFiler™					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3
		16,17	10			2
7QPNFF	RapidHIT ACE					
		15,15.3	16,17	14,14	16,18	12,12
1		8,10	8,13	14,14	18,21	12,12
		15,15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3,9.3
		16,17	10			2
7RHELU	GlobalFiler™ Express					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3
		16,17	10			2
7U2X3H	GlobalFiler™ Express					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3
		16,17	10			2
7XNB6U	GlobalFiler™					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3
		16,17	10			2
7YKQHQ	GlobalFiler™ Express					
		15,15.3	16,17	14	16,18	12
1		8,10	8,13	14	18,21	12
		15	14,16	29,32.2	15,16	X,Y
		19,23			14,27.2	9.3
		16,17	10			2

TABLE 1

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

Item 1 - STR Results

7ZQ9E2	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
8968UX	PowerPlex® Fusion					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
8ABYFK	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
8AEJ4M	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3	8,11
	16,17	10				
8ENKM7	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
8KYNJY	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3	8,11
	16,17	10	21	16		
8TQ9EY	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	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

8VEKHB	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
8W8DDU	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
984ULW	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
9CYNJX	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
9GP6PW	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
9MH67C	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
9QFTHD	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

9T36LP	PowerPlex® Fusion 5C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
9UYLXL	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
9W4VG	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
9Z2WQD	GlobalFiler™ (STRMix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
A4XX8L	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
A9JD7T	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
A9UPDW	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	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

AQYU6F	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
B4G48B	GlobalFiler™ (TrueAllele)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
B8X92Z	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
BPXK8F	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
BVJCYH	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	--
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	--	--	14,27.2	9,3	8,11
	16,17	10	--	--	2	
BWERBE	PowerPlex® Fusion					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
BZE37E	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

BZE7VJ	NGM SElect					
	15,15.3	16,17	14,14	16,18		
1		8,13	14,14	18,21		11,14
	15,15	14,16	29,32.2	15,16	X,Y	
				14,27.2	9,3,9.3	
	16,17					
BZHMUG	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1		8,10	8,13	14	18,21	12
	15	14,16	29,32.2	15,16	X,Y	12,13
				14,27.2	9,3	8,11
	16,17	10			2	
C26QX9	GlobalFiler™ (STRMix)					
	15,15.3	16,17	14	16,18	12	
1		8,10	8,13	14	18,21	12
	15	14,16	29,32.2	15,16	X,Y	12,13
				14,27.2	9,3	8,11
	16,17	10			2	
C4C4HV	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1		8,10	8,13	14,14	18,21	12,12
	15,15	14,16	29,32.2	15,16	X,Y	12,13
				14,27.2	9,3,9.3	8,11
	16,17	10			2	
C8RDVY	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1		8,10	8,13	14	18,21	12
	15	14,16	29,32.2	15,16	X,Y	12,13
				14,27.2	9,3	8,11
	16,17	10			2	
CHTYD	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1		8,10	8,13	14,14	18,21	12,12
	15,15	14,16	29,32.2	15,16	X,Y	12,13
		9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
CLUXGW	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1		8,10	8,13	14,14	18,21	12,12
	15,15	14,16	29,32.2	15,16	X,Y	12,13
				14,27.2	9,3,9.3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

CNJCYF	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
CTVACU	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
CURPPQ	Investigator® 24plex GO!					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10				
D2ZQDY	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
D3WX4Q	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
D7GVCU	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3	8,11
	16,17	10	21	16		
DAECNN	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

DAHVEC	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
DBQATT	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
DEPQ7M	PowerPlex® Fusion 6C, GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
DF337C	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
DKVADR	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
DRFDKU	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
DYYHBA	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

DZT9GN	PowerPlex® Fusion 6C, GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
E3QCJV	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	--
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	--	--	14,27.2	9,3,9.3	8,11
	16,17	10	--	--	2	
E4MHBM	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
E88GHQ	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
EH782C	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
EKA3KF	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
ENB6TP	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	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

EWM67D	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
F2FPM2	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
F37XQB	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
F3AFTG	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
F769MB	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
FEXGAM	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
FG6WHE	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

FGB4TM	Investigator® 24plex GO! (STRMix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10				
FJEM9H	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
FR8UTA	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10				
FWH9B8	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
FXB27Q	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
GBEM9G	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
GN87P8	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3,9.3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

GTXFY6	PowerPlex® Fusion 6C						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
		16,17	10	21	16		
GY7WEL	PowerPlex® Fusion						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13		9,3,9.3	8,11
		16,17	10				
H6PL79	Investigator® 24plex QS						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9,3,9.3	8,11
		16,17	10				
HPU4EP	PowerPlex® Fusion 6C						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9,3	8,11
		16,17	10	21	16		
HRXYXR	GlobalFiler™ (STRmix)						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9,3	8,11
		16,17	10			2	
HRYW9N	PowerPlex® Fusion 6C						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9,3	8,11
		16,17	10	21	16		
HTTHYU	GlobalFiler™						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9,3	8,11
		16,17	10			2	

TABLE 1

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

Item 1 - STR Results

HVZZXP	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	--	--	14,27.2	9,3,9.3	8,11
	16,17	10	--	--	2	
J3E9W7	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
JGYN3Q	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
JHVVTH	PowerPlex® Fusion					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
JKEU2L	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
JKXYXQ	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
JNE6WL	GlobalFiler™ Express					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

JRG7WH	PowerPlex® Fusion					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
JU28NN	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
K87TH2	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10			2	
KAWPDM	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16	2	
KEPVP4	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3,9.3	8,11
	16,17	10				
KKR367	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10			2	
KQEUEK	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	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

KXYXJ2	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
L2WPKD	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
L39B2Z	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
LELLFH	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
LMVZDD	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
LN8Y8M	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
LT2T8A	PowerPlex® Fusion 5C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

LUTRH2	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
LUXAK7	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
MEBJWN	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
MK2T98	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
MKM68F	PowerPlex® Fusion 6C, GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
MWGEZG	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
N2Q4TN	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

NBRNVG	GlobalFiler™						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9.3	8,11
		16,17	10			2	
NCQQKL	PowerPlex® Fusion 5C						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13		9.3	8,11
		16,17	10				
NKHA2E	GlobalFiler™						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9.3	8,11
		16,17	10			2	
NLDPDC	GlobalFiler™ Express						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9.3	8,11
		16,17	10			2	
NPB7P7	GlobalFiler™						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9.3,9.3	8,11
		16,17	10			2	
NTCGGY	PowerPlex® Fusion 6C						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
		16,17	10	21	16		
NZVH2H	PowerPlex® Fusion 6C						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9.3	8,11
		16,17	10	21	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

NZVH44	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10				
P2K9MM	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
P7HMCX	PowerPlex® 5C					
	15,15.3	16,[17]	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
P8Q3GJ	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
PC88FE	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
PCHA2D	PowerPlex® Fusion 6C, GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
PF263J	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	--	--	14,27.2	9,3,9.3	8,11
	16,17	10	--	--	2	

TABLE 1

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

Item 1 - STR Results

PFGMKW	GlobalFiler™ (STRmix)					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
PMN64H	PowerPlex® 6C					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
PU24R2	PowerPlex® Fusion 5C					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3,9.3	8,11
	16,17	10				
PW6X9J	PowerPlex® Fusion 5C					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3	8,11
	16,17	10				
PXKV44	GlobalFiler™ Express					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
Q3BR4E	PowerPlex® Fusion 6C					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
Q488FC	PowerPlex® Fusion 6C, GlobalFiler™					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10			2	

TABLE 1

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

Item 1 - STR Results

Q899HU	RapidHIT INTELPlus					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
QCGWTB	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
QRRD3X	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
QXX7WT	RapidHIT INTEL Plus					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
QYRW39	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
R8ZQUF	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3	8,11
	16,17	10	21	16		
RH3YKD	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

RPKGRU	GlobalFiler™ (STRmix)					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
RTN4RD	PowerPlex® Fusion 6C					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
T2RMLT	PowerPlex® Fusion 5C, RapidHIT ACE cartridge.					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10			2	
T3KDR8	GlobalFiler™ Express					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
TFP2FU	PowerPlex® Fusion 6C					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
TN9TE9	GlobalFiler™					
1	15,15.3	16,17	14	16,18	12	
	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
TXCC9N	PowerPlex® Fusion 6C					
1	15,15.3	16,17	14,14	16,18	12,12	
	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	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

U293BU	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
UDG7BH	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
UFP98E	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
UGKRAF	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
UHWBAD	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3	8,11
	16,17	10	21	16		
UZR7HU	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
V2396T	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	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

V7E8ME	GlobalFiler™					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
V8P99C	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3,9.3	8,11
	16,17	10			2	
VZ7Q8X	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9,3	8,11
	16,17	10			2	
W4NART	PowerPlex® Fusion					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
WJKPRL	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
	16,17	10	21	16		
WKWEY6	PowerPlex® Fusion					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9,3,9.3	8,11
	16,17	10				
WMFFVC	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9,3	8,11
	16,17	10	21	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

WMGD79	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
WQZ88F	GlobalFiler™ (STRmix)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
WUE6E3	GlobalFiler™ Express					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
WXXXP6	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
WXXZF9	PowerPlex® Fusion 6C					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
WYE8MC	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
X4MWJQ	PowerPlex® Fusion 5C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13		9.3,9.3	8,11
	16,17	10				

TABLE 1

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

Item 1 - STR Results

X8HQCK	PowerPlex® Fusion 6C (DNAxs)					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3	8,11
	16,17	10	21	16		
XAN9FM	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10				
XEKZJD	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
XG8CMP	Investigator® 24plex QS					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3,9.3	8,11
	16,17	10				
XV4QKX	GlobalFiler™					
	15,15.3	16,17	14	16,18	12	
1	8,10	8,13	14	18,21	12	11,14
	15	14,16	29,32.2	15,16	X,Y	12,13
	19,23			14,27.2	9.3	8,11
	16,17	10			2	
XYNHWZ	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	16		
YKPW8K	PowerPlex® Fusion 6C					
	15,15.3	16,17	14,14	16,18	12,12	
1	8,10	8,13	14,14	18,21	12,12	11,14
	15,15	14,16	29,32.2	15,16	X,Y	12,13
	19,23	9,15	7,13	14,27.2	9.3,9.3	8,11
	16,17	10	21	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

YZYVX3	PowerPlex® Fusion						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13		9,3,9.3	8,11
		16,17	10				
Z734VH	PowerPlex® Fusion 6C						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
		16,17	10	21	16		
ZDY6TN	PowerPlex® Fusion 6C						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13	14,27.2	9,3,9.3	8,11
		16,17	10	21	16		
ZLTBQV	PowerPlex® Fusion						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13		9,3	8,11
		16,17	10				
ZPRPCY	PowerPlex® Fusion 6C, GlobalFiler™						
		15,15.3	16,17	14,14	16,18	12,12	
	1	8,10	8,13	14,14	18,21	12,12	11,14
		15,15	14,16	29,32.2	15,16	X,Y	12,13
		19,23			14,27.2	9,3,9.3	8,11
		16,17	10			2	
ZQM6NW	PowerPlex® Fusion						
		15,15.3	16,17	14	16,18	12	
	1	8,10	8,13	14	18,21	12	11,14
		15	14,16	29,32.2	15,16	X,Y	12,13
		19,23	9,15	7,13		9,3	8,11
		16,17	10				

TABLE 1

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

Item 2 - STR Results

2HAHBL	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
2TUMMR	GlobalFiler™ Express					
	14	20,25	10,11	14	12	-
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22	-	-	16,25.2	7	9,12
	15,18	NM	-	-	NM	
32HX98	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22	10,13	14,15		7	9,12
	15,18					
3DWVEW	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
3FECAL	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
3NUXEJ	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
3U2FY7	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		

TABLE 1

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

Item 2 - STR Results

4D3Y2J	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
4PL6L3	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	N/A
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	N/A	7,7	9,12
	15,18	ND	N/A	N/A	N/A	
4RQ2NH	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
4UWH4Z	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
634LJX	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
674UPU	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
67KQGT	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

6ANLZW	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
6BT9CF	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
6BXQEK	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
6GKE9Q	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
6H2N7X	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
6HFWBR	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
6QCPRX	PowerPlex® 35GY					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

6Y2KKL	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
79KEAN	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
79PXXQ	PowerPlex® Fusion 6C, GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
7HBYFL	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
7HFAYF	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
7J8FRJ	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
7M7TB3	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

7QMYAX	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7QPNNF	PowerPlex® Fusion 5C, Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results				
7RHELU	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7U2X3H	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7XNB6U	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7YKQHQ	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18	NR			NR	
7ZQ9E2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	--			--	

TABLE 1

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

Item 2 - STR Results

8968UX	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	ND				
8ABYFK	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
8AEJ4M	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
8ENKM7	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
8KYNJY	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18	NID			NID	
8TQ9EY	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
8VEKHB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

8W8DDU	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	-				
984ULW	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
9CYNJX	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
9GP6PW	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	XX	11,12
	21,22			16,25.2	7	9,12
	15,18					
9MH67C	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
9QFTHD	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
9T36LP	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

9UYLXL	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
9W4VG	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
9Z2WQD	GlobalFiler™ (STRMix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
A4XX8L	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
A9JD7T	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
A9UPDW	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
AQYU6F	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Result				

TABLE 1

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

Item 2 - STR Results

B4G48B	GlobalFiler™ (TrueAllele)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
B8X92Z	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
BPXK8F	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
BVJCYH	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	--	--	16,25.2	7	9,12
	15,18	--	--	--	--	
BWERBE	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
BZE37E	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
BZE7VJ	NGM SElect					
	14,14	20,25	10,11	14,14		
2		11,14	12,12	18,23		11,11
	15,16	14,14	28,28	15,16	X,X	
	21,22			16,25.2	7,7	
	15,18					

TABLE 1

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

Item 2 - STR Results

BZHMUG	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
C26QX9	GlobalFiler™ (STRMix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
C4C4HV	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
C8RDVY	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
CHTYD	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
CLUXGW	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
CNJCYF	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				

TABLE 1

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

Item 2 - STR Results

CTVACU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	ND	ND	ND		
CURPPQ	Investigator® 24plex GO!					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
D2ZQDY	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
D3WX4Q	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
D7GVCU	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
DAECNN	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
DAHVEC	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				

TABLE 1

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

Item 2 - STR Results

DBQATT	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
DEPQ7M	PowerPlex® Fusion 6C, GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
DF337C	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
DKVADR	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
DRFDKU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
DYYHBA	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
DZT9GN	PowerPlex® Fusion 6C, GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not detected			Not detected	

TABLE 1

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

E3QCJV	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	--	--	16,25.2	7,7	9,12
	15,18	--	--	--	--	
E4MHBM	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					
E88GHQ	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
EH782C	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
EKA3KF	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
ENB6TP	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
EWM67D	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				

TABLE 1

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

Item 2 - STR Results

F2FPM2	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
F37XQB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
F3AFTG	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
F769MB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
FEXGAM	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
FG6WHE	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
FGB4TM	Investigator® 24plex GO! (STRMix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

FJEM9H	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
FR8UTA	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
FWH9B8	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
FXB27Q	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
GBEM9G	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
GN87P8	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
GTXFY6	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

GY7WEL	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	ND				
H6PL79	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
HPU4EP	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
HRXYXR	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
HRYW9N	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
HTTHYU	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
HVZZXP	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	--	--	16,25.2	7,7	9,12
	15,18	--	--	--	--	

TABLE 1

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

Item 2 - STR Results

J3E9W7	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
JGYN3Q	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	--			--	
JHVVTH	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	ND				
JKEU2L	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18					
JKXYXQ	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	--			--	
JNE6WL	GlobalFiler™ Express					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	NR			NR	
JRG7WH	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	-				

TABLE 1

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

Item 2 - STR Results

JU28NN	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
K87TH2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
KAWPDM	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18	NID	NID	NID		
KEPVP4	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
KKR367	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
KQEUEK	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
KXYXJ2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

L2WPKD	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
L39B2Z	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
LELLFH	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
LMVZDD	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
LN8Y8M	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
LT2T8A	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
LUTRH2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	NR			NR	

TABLE 1

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

Item 2 - STR Results

LUXAK7	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
MEBJWN	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
MK2T98	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
MKM68F	PowerPlex® Fusion 6C, GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
MWGEZG	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
N2Q4TN	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
NBRNVG	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

NCQQKL	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NA				
NKHA2E	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18	N.R.			N.R.	
NLDPDC	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
NPB7P7	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					
NTCGGY	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
NZVH2H	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
NZVH44	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				

TABLE 1

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

Item 2 - STR Results

P2K9MM	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
P7HMCX	PowerPlex® 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
P8Q3GJ	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
PC88FE	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
PCHA2D	PowerPlex® Fusion 6C, GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
PF263J	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	--	--	16,25.2	7,7	9,12
	15,18	--	--	--	--	
PFGMKW	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

PMN64H	PowerPlex® 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
PU24R2	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
PW6X9J	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18					
PXKV44	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
Q3BR4E	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
Q488FC	PowerPlex® Fusion 6C, GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
Q899HU	RapidHIT INTELPlus					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	

TABLE 1

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

Item 2 - STR Results

QCGWTB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
QRRD3X	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
QXX7WT	RapidHIT INTEL Plus					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
QYRW39	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
R8ZQUF	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
RH3YKD	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					
RPKGRU	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

RTN4RD	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
T2RMLT	GlobalFiler™, MiniFiler					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
T3KDR8	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
TFP2FU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
TN9TE9	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
TXCC9N	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
U293BU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

UDG7BH	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
UFP98E	GlobalFiler™ (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
UGKRAF	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
UHWBAD	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
UZR7HU	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
V2396T	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
V7E8ME	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

V8P99C	GlobalFiler™ (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
VZ7Q8X	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
W4NART	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
WJKPRL	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
WKWEY6	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					
WMFFVC	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
WMGD79	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

WQZ88F	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
WUE6E3	GlobalFiler™ Express					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
WXXXP6	GlobalFiler™					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
WXXZF9	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
WYE8MC	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
X4MWJQ	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	[11],14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
X8HQCK	PowerPlex® Fusion 6C (DNAxs)					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					

TABLE 1

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

Item 2 - STR Results

XAN9FM	Investigator® 24plex QS						
		14,14	20,25	10,11	14,14	12,12	
	2	7,8	11,14	12,12	18,23	8,13	11,11
		15,16	14,14	28,28	15,16	X,X	11,12
		21,22			16,25.2	7,7	9,12
	15,18	No Results					
XEKZJD	GlobalFiler™						
		14	20,25	10,11	14	12	
	2	7,8	11,14	12	18,23	8,13	11
		15,16	14	28	15,16	X	11,12
		21,22			16,25.2	7	9,12
	15,18						
XG8CMP	Investigator® 24plex QS						
		14,14	20,25	10,11	14,14	12,12	
	2	7,8	11,14	12,12	18,23	8,13	11,11
		15,16	14,14	28,28	15,16	X,X	11,12
		21,22			16,25.2	7,7	9,12
	15,18	No Results					
XV4QKX	GlobalFiler™						
		14	20,25	10,11	14	12	
	2	7,8	11,14	12	18,23	8,13	11
		15,16	14	28	15,16	X	11,12
		21,22			16,25.2	7	9,12
	15,18						
XYNHWZ	PowerPlex® Fusion 6C						
		14,14	20,25	10,11	14,14	12,12	
	2	7,8	11,14	12,12	18,23	8,13	11,11
		15,16	14,14	28,28	15,16	X,X	11,12
		21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18						
YKPW8K	PowerPlex® Fusion 6C						
		14,14	20,25	10,11	14,14	12,12	
	2	7,8	11,14	12,12	18,23	8,13	11,11
		15,16	14,14	28,28	15,16	X,X	11,12
		21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18						
YZYVX3	PowerPlex® Fusion						
		14,14	20,25	10,11	14,14	12,12	
	2	7,8	11,14	12,12	18,23	8,13	11,11
		15,16	14,14	28,28	15,16	X,X	11,12
		21,22	10,13	14,15		7,7	9,12
	15,18	ND					

TABLE 1

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

Item 2 - STR Results

Z734VH	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
ZDY6TN	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
ZLTBQV	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
ZPRPCY	PowerPlex® Fusion 6C, GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
2	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	NOT DETECTED			NOT DETECTED	
ZQM6NW	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
2	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				

TABLE 1

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

Item 3 - STR Results

2HAHBL	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
2TUMMR	GlobalFiler™					
	14	20,25	10,11	14	12	-
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22	-	-	16,25.2	7	9,12
	15,18	NM	-	-	NM	
32HX98	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22	10,13	14,15		7	9,12
	15,18					
3DWVEW	PowerPlex® Fusion 6C (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
3FECAL	PowerPlex® Fusion 6C (STRmix 2.9)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
3NUXEJ	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
3U2FY7	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

4D3Y2J	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
4PL6L3	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	N/A
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	N/A	7,7	9,12
	15,18	ND	N/A	N/A	N/A	
4RQ2NH	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
4UWH4Z	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
634LJX	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
674UPU	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
67KQGT	GlobalFiler™ (STRmix)					
	14,15	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

6ANLZW	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
6BT9CF	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
6BXQEK	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
6GKE9Q	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
6H2N7X	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
6HFWBR	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
6QCPRX	PowerPlex® 35GY (STRMix v 2.12)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					

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

6Y2KKL	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
79KEAN	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
79PXXQ	PowerPlex® Fusion 6C, GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
7HBYFL	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
7HFAYF	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
7J8FRJ	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
7M7TB3	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

7QMYAX	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7RHELU	GlobalFiler™ (STRmix)					
	14	20,24,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7U2X3H	PowerPlex® Fusion 6C (STRmix v.2.9)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
7XNB6U	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
7YKQHQ	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
7ZQ9E2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	--			--	
8968UX	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	ND				

TABLE 1

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

Item 3 - STR Results

8ABYFK	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
8AEJ4M	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
8ENKM7	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
8TQ9EY	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
8VEKHB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
8W8DDU	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	-				
984ULW	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

9CYNJX	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
9MH67C	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
9QFTHD	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
9T36LP	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18					
9UYLXL	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
9V4VG	PowerPlex® Fusion 6C (STRmix v2.9)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
9Z2WQD	GlobalFiler™ (STRMix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

A4XX8L	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
A9JD7T	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
A9UPDW	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
AQYU6F	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Result	No Result	No Result		
B4G48B	GlobalFiler™ (TrueAllele)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
B8X92Z	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
BPXK8F	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					

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

BVJCYH	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	--	--	16,25.2	7	9,12
	15,18	--	--	--	--	
BWERBE	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
BZE37E	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results				
BZE7VJ	NGM SElect					
	14,14	20,25	10,11	14,14		
3		11,14	12,12	18,23		11,11
	15,16	14,14	28,28	15,16	X,X	
	21,22			16,25.2	7,7	
	15,18					
BZHMUG	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
C26QX9	GlobalFiler™ (STRMix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
C8RDVY	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

CLUXGW	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
CNJCYF	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
CTVACU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	ND	ND	ND		
CURPPQ	Investigator® 24plex (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
D2ZQDY	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
D3WX4Q	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
D7GVCU	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					

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

DAECNN	GlobalFiler™ (STRmix)					
3	14	20,25	10,11	14	12	
	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
DAHVEC	PowerPlex® Fusion 6C (STRmix v2.9)					
3	14,14	20,25	10,11	14,14	12,12	
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
DBQATT	PowerPlex® Fusion 6C					
3	14	20,25	10,11	14	12	
	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
DEPQ7M	GlobalFiler™					
3	14,14	20,25	10,11	14,14	12,12	
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
DF337C	PowerPlex® Fusion 6C					
3	14,14	20,25	10,11	14,14	12,12	
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
		10,13	14,15	16,25.2	7,7	9,12
	15,18			21,22		
DKVADR	PowerPlex® Fusion 6C					
3	14,14	20,25	10,11	14,14	12,12	
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
DRFDKU	PowerPlex® Fusion 6C					
3	14,14	20,25	10,11	14,14	12,12	
	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

DYYHBA	PowerPlex® Fusion 6C (STRmix v2.9.1)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		
DZT9GN	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not detected			Not detected	
E3QCJV	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	--	--	16,25.2	7,7	9,12
	15,18	--	--	--	--	
E4MHBM	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					
E88GHQ	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
EH782C	PowerPlex® Fusion 5C (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
EKA3KF	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	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 3 - STR Results

ENB6TP	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
EWM67D	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
F2FPM2	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
F37XQB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
F3AFTG	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
F769MB	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
FEXGAM	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

FG6WHE	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
FGB4TM	Investigator® 24plex (STRMix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
FJEM9H	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
FR8UTA	PowerPlex® Fusion 5C (STRmix v2.9)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
FWH9B8	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
FXB27Q	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
GBEM9G	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				

TABLE 1

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

Item 3 - STR Results

GN87P8	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
GTXFY6	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
GY7WEL	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	ND				
H6PL79	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
HPU4EP	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
HRXYXR	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
HRYW9N	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					

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

HTTHYU	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
HVZZXP	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	--	--	16,25.2	7,7	9,12
	15,18	--	--	--	--	
J3E9W7	PowerPlex® Fusion 6C (STRmix v2.9)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
JGYN3Q	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	--	--	--	--	
JHVVTH	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	ND				
JKXYXQ	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	--	--	--	--	
JRG7WH	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	-				

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

JU28NN	PowerPlex® Fusion 6C (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
K87TH2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
KEPVP4	Investigator® 24plex QS (STRmix 2.9)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
KKR367	PowerPlex® Fusion 5C (STRmix v2.9.1)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
KQEUEK	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
KXYXJ2	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
L2WPKD	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

L39B2Z	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
LELLFH	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.5	7,7	9,12
	15,18	NR	NR	NR		
LMVZDD	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,11,13,14	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
LT2T8A	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
LUTRH2	GlobalFiler™ (strmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	NR			NR	
LUXAK7	GlobalFiler™					
	14,14	20,[25]	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
MEBJWN	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

MK2T98	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
MKM68F	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
MWGEZG	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
N2Q4TN	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
NBRNVG	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
NCQQKL	PowerPlex® Fusion 5C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NA				
NKHA2E	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18	N.R.			N.R.	

TABLE 1

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

NLDPDC	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
NTCGGY	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
NZVH2H	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
NZVH44	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18	No Results				
P2K9MM	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
P7HMCX	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
P8Q3GJ	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					

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

PC88FE	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
PCHA2D	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
PFGMKW	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
PMN64H	PowerPlex® 6C (STRmix V2.5.11)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
PU24R2	GlobalFiler™ (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
PW6X9J	PowerPlex® Fusion 5c					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18					
PXKV44	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	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 3 - STR Results

Q3BR4E	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
Q488FC	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	Not Detected			Not Detected	
QCGWTB	PowerPlex® Fusion 6C (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
QRRD3X	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
QYRW39	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,13,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			15.2,16,25.2	7	9,12
	15,18					
R8ZQUF	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
RH3YKD	PowerPlex® Fusion 5C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					

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

RPKGRU	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
RTN4RD	PowerPlex® Fusion 6C (STRmix 2.5)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
T3KDR8	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
TFP2FU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
TN9TE9	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
TXCC9N	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
U293BU	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					

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

UDG7BH	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
UFP98E	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
UGKRAF	GlobalFiler™ (STRmix)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
UHWBAD	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
UZR7HU	PowerPlex® Fusion 6C (STRmix v2.9)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
V2396T	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
V7E8ME	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	XX	11,12
	21,22			16,25.2	7,7	9,12
	15,18					

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

V8P99C	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18					
VZ7Q8X	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X,X	11,12
	21,22			16,25.2	7	9,12
	15,18	NM			NM	
W4NART	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results			No Results	
WJKPRL	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
WKWEY6	PowerPlex® Fusion					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15		7,7	9,12
	15,18					
WMFFVC	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
WQZ88F	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					

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

WUE6E3	GlobalFiler™ (STRmix)					
	14	20,25	10,11	14	12	
3	7,8	11,12,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
WXXXP6	GlobalFiler™					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22			16,25.2	7	9,12
	15,18					
WXXZF9	PowerPlex® Fusion 6C					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
WYE8MC	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	NR	NR	NR		
X4MWJQ	Investigator® 24plex QS					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	No Results				
X8HQCK	PowerPlex® Fusion 6C (DNAxs)					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15	16,25.2	7	9,12
	15,18					
XAN9FM	PowerPlex® Fusion 6C (STRmix 2.9.1)					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18	No Results	No Results	No Results		

TABLE 1

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

Item 3 - STR Results

XEKZJD	GlobalFiler™						
	14	20,25	10,11	14	12		
	3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12	
	21,22			16,25.2	7	9,12	
	15,18						
XG8CMP	PowerPlex® Fusion 6C						
	14,14	20,25	10,11	14,14	12,12		
	3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12	
	21,22	10,13	14,15	16,25.2	7,7	9,12	
	15,18	No Results	No Results	No Results			
XV4QKX	GlobalFiler™						
	14	20,25	10,11	14	12		
	3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12	
	21,22			16,25.2	7	9,12	
	15,18						
XYNHWZ	PowerPlex® Fusion 6C (STRmix)						
	14,14	20,25	10,11	14,14	12,12		
	3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12	
	21,22	10,13	14,15	16,25.2	7,7	9,12	
	15,18						
YKPW8K	PowerPlex® Fusion 6C						
	14,14	20,25	10,11	14,14	12,12		
	3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12	
	21,22	10,13	14,15	16,25.2	7,7	9,12	
	15,18						
YZYVX3	PowerPlex® Fusion						
	14,14	20,25	10,11	14,14	12,12		
	3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12	
	21,22	10,13	14,15		7,7	9,12	
	15,18	ND					
Z734VH	PowerPlex® Fusion 6C						
	14,14	20,25	10,11	14,14	12,12		
	3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12	
	21,22	10,13	14,15	16,25.2	7,7	9,12	
	15,18						

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

ZDY6TN	PowerPlex® Fusion 6C					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22	10,13	14,15	16,25.2	7,7	9,12
	15,18					
ZLTBQV	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				
ZPRPCY	GlobalFiler™					
	14,14	20,25	10,11	14,14	12,12	
3	7,8	11,14	12,12	18,23	8,13	11,11
	15,16	14,14	28,28	15,16	X,X	11,12
	21,22			16,25.2	7,7	9,12
	15,18	NOT DETECTED			NOT DETECTED	
ZQM6NW	PowerPlex® Fusion					
	14	20,25	10,11	14	12	
3	7,8	11,14	12	18,23	8,13	11
	15,16	14	28	15,16	X	11,12
	21,22	10,13	14,15		7	9,12
	15,18	NR				

TABLE 1

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

Item 3e - STR Results

C4C4HV	GlobalFiler™					
		14,14	20,25	10,11	14,14	12,12
3e		7,8	11,14	12,12	18,23	8,13 11,11
		15,16	14,14	28,28	15,16	X,X 11,12
		21,22			16,25.2	7,7 9,12
		15,18				
LN8Y8M	GlobalFiler™					
		14,14	20,25	10,11	14,14	12,12
3e		7,8	11,14	12,12	18,23	8,13 11,11
		15,16	14,14	28,28	15,16	X,X 11,12
		21,22			16,25.2	7,7 9,12
		15,18				
PF263J	GlobalFiler™					
		14,14	20,25	10,11	14,14	12,12
3e		7,8	11,14	12,12	18,23	8,13 11,11
		15,16	14,14	28,28	15,16	X,X 11,12
		21,22	--	--	16,25.2	7,7 9,12
		15,18	--	--	--	--

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 3sp - STR Results

C4C4HV GlobalFiler™

3sp

LN8Y8M GlobalFiler™

3sp

PF263J GlobalFiler™

3sp

14,14	20,25	10,11	14,14	12,12		
7,8	11,14	12,12	18,23	8,13	11,11	
15,16	14,14	28,28	15,16	X,X	11,12	
21,22	--	--	16,25.2	7,7	9,12	
15,18	--	--	--	--	--	

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

6QCPRX	PowerPlex® 35GY (STRMix v2.12)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18					
8W8DDU	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	-				
9T36LP	PowerPlex® Fusion 5C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
CLUXGW	GlobalFiler™ (STRmix v2.13)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4	7,8,11	11,12,13,14	12,13	18,19,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
UFP98E	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

2HAHBL	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
2TUMMR	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	-
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	-	-	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	-	-	2	
32HX98	PowerPlex® Fusion 5C					
	[14]	[17],[20],25		[14]	[12]	
4e	7,8	[11]	12		8,13	
	[16]	[14]	[28]		X,X	
		10,13	[14]			[9]
	15,18					
3DWVEW	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
3FECAL	PowerPlex® Fusion 6C (STRmix 2.9)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,17,18	11	17	18		
3NUXEJ	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
3U2FY7	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

4D3Y2J	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
4PL6L3	PowerPlex® Fusion					
	INC	17,20,25	10,11	INC	INC	N/A
4e	7,8	11,14	INC	18,23	INC	INC
	15,16	INC	INC	15,16	X,X	11,12
	21,22	10,13	INC	N/A	INC	9,12
	15,18	ND	N/A	N/A	N/A	
4RQ2NH	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
4UWH4Z	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
634LJX	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
674UPU	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
67KQGT	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

6ANLZW	GlobalFiler™					
	14,17.3	20,25	10	14	11,12	
4e	7,11	11,14	12,13	18	9,13	9,11
	15,16		28	11,15,16	X	12
	22			15,16	7,9.3	
	15	11			2	
6BT9CF	GlobalFiler™ (STRmix)					
4e						
6BXQEK	PowerPlex® Fusion 6C					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11	17	18		
6GKE9Q	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
6H2N7X	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
6HFWBR	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
6Y2KKL	GlobalFiler™					
	14,17.3	17,20,[25]	10,[11],14	14,15,18	10,11,12	
4e	7,[8],11	[11],12,13,14	[12],13	[18],19,20,[23]	[8],9,[13]	9,[11]
	[13],[15],16	13,13.2,14	28,31.2,32.2	11,15,[16]	X,[Y]	[11],12
	20,[21],22			15,16,[25.2]	6,7,9.3	8,[9],[12]
	[15],17,[18]	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 4e - STR Results

79KEAN	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
79PXXQ	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	XX,X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18	2	
7HBYFL	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
7HFAYF	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
7J8FRJ	PowerPlex® Fusion 6C					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	[18],[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,28	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11	17	18		
7M7TB3	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
7QMYAX	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

7RHELU	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
7U2X3H	PowerPlex® Fusion 6C (STRmix v.2.9)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
7XNB6U	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
7YKQHQ	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
7ZQ9E2	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			--	
8968UX	PowerPlex® Fusion					
	INC	INC	INC	ND	INC	
4e	INC	INC	INC	INC	INC	INC
	INC	INC	INC	ND	INC	ND
	INC	INC	ND		INC	INC
	ND	ND				
8ABYFK	PowerPlex® Fusion 5C					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	12,12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]		[6],7,[9.3]	[8],9,12
	15,[17],18	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 4e - STR Results

8AEJ4M	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
8ENKM7	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11		2		
8TQ9EY	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
8VEKHB	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
984ULW	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
9CYNJX	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
9MH67C	GlobalFiler™					
	14,[17.3]	[17],20,25	10,[11],[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,9,13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	8,9,12
	15,17,18	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 4e - STR Results

9QFTHD	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
9UYLXL	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
9V4VG	PowerPlex® Fusion 6C (STRmix v2.9)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
9Z2WQD	GlobalFiler™ (STRMix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
A4XX8L	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
A9JD7T	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
A9UPDW	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

AQYU6F	PowerPlex® Fusion 6C					
	14,[17.3]	[17],20,25	10,[11],[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,9,13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,17,18	11	17	18		
B4G48B	GlobalFiler™ (TrueAllele)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
B8X92Z	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
BPXK8F	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12,13	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
BVJCYH	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	--	--	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	--	--	2	
BWERBE	GlobalFiler™					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	8,9,12
	15,17,18	11			2	
BZE37E	PowerPlex® Fusion 6C					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

BZE7VJ	NGM SElect					
	14,17.3	17,20,25	10,11,14	14,15,18		
4e		11,12,13,14	12,13	18,19,20,23		9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	
	20,21,22			15,16,25.2	6,7,9.3	
	15,17,18					
BZHMUG	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
C26QX9	GlobalFiler™ (STRMix)					
4e						
C4C4HV	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
C8RDVY	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
CNJCYF	PowerPlex® Fusion 5C					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]		[6],7,[9.3]	[8],9,12
	15,17,18	11				
CTVACU	PowerPlex® Fusion 6C					
	14,17.3	17,20	10,11	14,18	10,11,12	
4e	7	ND	12,13	18,19,20,23	8,9,13	9,11
	13,16	13,13.2,14	28,31.2,32.2	ND	X	11,12
	20,21,22	9,10,13	14,15,16	15,16	6	8
	17,18	ND	17	18		

TABLE 1

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

Item 4e - STR Results

CURPPQ	Investigator® 24plex (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			16,25.2	6,7,9.3	8,9,12
	15,17,18	11				
D2ZQDY	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
D3WX4Q	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
D7GVCU	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
DAECNN	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
DAHVEC	PowerPlex® Fusion 6C (STRmix v2.9)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11	17	18		
DBQATT	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

DEPQ7M	GlobalFiler™					
	14,14,[17.3]	[17],20,25	10,11,[14]	14,14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],[14]	12,12,[13]	18,[19],[20],23	8,[9],13	[9],11,11
	[13],15,16	[13],[13.2],14,14	28,28,[31.2],[32.2]	[11],15,[16]	X,X,[Y]	11,12
	[20],21,22			[15],16,[25.2]	[6],7,[9.3]	8,9,12
	15,17,18	[11]			[2]	
DF337C	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
DKVADR	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
DRFDKU	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
DYYHBA	PowerPlex® Fusion 6C (STRmix v2.9.1)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11	17	18		
DZT9GN	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
E3QCJV	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	--	--	16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

E4MHBM	PowerPlex® Fusion 5C					
	14,14,[17.3]	17,20,25	10,11	14,14,[18]	10,12	
4e	7	11,[12],[13],14	12,12,[13]	18,19,23	8,13	9,11
	15,16	14,14	28	15,16	X,X,[Y]	11,12
	20,21,22	10,13	14,15		7,7	12
	15,17,18					
E88GHQ	Investigator® 24plex QS					
	14,14,(17.3)	(17),20,25	10,11,(14)	14,14,(15,18)	(10,11),12,12	
4e	7,8,(11)	11,(12,13),14	12,12,(13)	18,(19,20),23	8,9,13	(9),11,11
	(13),15,16	(13,13.2),14,14	28,28,(31.2,32.2)	(11),15,16	X,(Y)	11,12
	(20),21,22			(15),16,25.2	(6),7,7,(9.3)	8,9,12
	15,17,18	(11)				
EH782C	PowerPlex® Fusion 5C (STRmix)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]		[6],7,[9.3]	[8],9,12
	15,[17],18	11				
EKA3KF	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
ENB6TP	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
ETQE7T	GlobalFiler™ (STRmix)					
	13,14,16.3,17.3	16,17,19,20,24,25	9,10,11,13,14	13,14,15,17,18	9,10,11,12	
4e	7,8,10,11	10,11,12,13,14	11,12,13	17,18,19,20,22,23	8,9,12,13	8,9,10,11
	12,13,14,15,16	12,12.2,13,13.2,14	27,28,30.2,31.2,32.2	11,14,15,16	X,Y	10,11,12
	19,20,21,22			14,15,15.2,16,17,24.2,25.2	6,7,9.3	8,9,12
	14,15,16,17,18	10,11			2	
EWM67D	GlobalFiler™					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	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 4e - STR Results

F2FPM2	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
F37XQB	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
F3AFTG	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
F769MB	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
FEXGAM	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
FG6WHE	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
FGB4TM	Investigator® 24plex (STRMix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

FJEM9H	GlobalFiler™ (STRmix)					
	14,17.3	17,20,24,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
FR8UTA	PowerPlex® Fusion 5C (STRmix v2.9)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]		[6],7,[9.3]	[8],9,12
	15,17,18	11				
FWH9B8	GlobalFiler™					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11			2	
FXB27Q	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
GBEM9G	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
GN87P8	Investigator® 24plex QS					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11				
GTXFY6	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

GY7WEL	PowerPlex® Fusion					
	14,14,[17.3]	20,25	10,11,[14]	14,14,[15],[18]	10,11,12	
4e	7,8,11	11,12,13,14	12,12,[13]	INC	8,9,13	9,11
	[13],15,16	[13],[13.2],14,14	28,28,[31.2],[32.2]	15,16	X,X	11,12
	20,21,22	9,10,13	12,14,15		[6],7,7,[9.3]	8,9,12
	15,[17],18	ND				
H6PL79	PowerPlex® Fusion 6C					
	14,[17.3]	[17],20,25	10,[11],[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,12,13,14	12,[13]	18,19,20,23	8,9,13	[9],11
	13,15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],[10],13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	8,[9],12
	[15],17,18	11	17	18		
HPU4EP	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
HRXYXR	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
HRYW9N	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
HTTHYU	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
HVZZXP	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	--	--	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

J3E9W7	PowerPlex® Fusion 6C (STRmix v2.9)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
JGYN3Q	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7	8,9,12
	15,17,18	11			2	
JHVVTH	PowerPlex® Fusion					
	14,14,[17.3]	20,25	10,11,[14]	14,14	12,12	
4e	7,8,[11]	11,12,13,14	12,12,[13]	18,[19],23	8,13	9,11
	[13],15,16	[13],[13.2],14,14	28,28	15,16	X,X	11,12
	[20],21,22	10,13	14,15		[6],7,7,[9.3]	[8],9,12
	15,17,18	ND				
JKXYXQ	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
JRG7WH	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
JU28NN	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
K87TH2	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

KEPVP4	Investigator® 24plex QS (STRmix 2.9)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,[8],[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,9,13	9,11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,[25.2]	[6],7,[9.3]	8,9,12
	15,17,18	11				
KKR367	PowerPlex® Fusion 5C (STRmix v2.9.1)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[11],12	
4e	7,8	11,[12],[13],14	12,[13]	18,23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]		[6],7,[9.3]	[8],9,12
	15,[17],18	11				
KQEUEK	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
KXYXJ2	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
L2WPKD	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
L39B2Z	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
LELLFH	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

LMVZDD	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
LN8Y8M	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
LT2T8A	PowerPlex® Fusion 5C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
LUTRH2	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
LUXAK7	GlobalFiler™					
	14,[17.3]	[17],20,25	10,[11],[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11			2	
M6Q74J	GlobalFiler™ (STRmix)					
	13,14,16.3,17.3	16,17,19,20,24,25	9,10,11,13,14	13,14,15,17,18	9,10,11,12	
4e	6,7,8,10,11	10,11,12,13,14	11,12,13	17,18,19,20,22,23	8,9,12,13	8,9,10,11
	12,13,14,15,16	12,12.2,13,13.2,14	27,28,30.2,31.2,32.2	11,14,15,16	X,Y	10,11,12
	19,20,21,22		2	14,14.2,15,15.2,16,24.2,25.2	6,7,9.3	8,9,11,12
	14,15,16,17,18	10,11			2	
MEBJWN	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

MK2T98	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
MKM68F	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
MWGEZG	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
N2Q4TN	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
NBRNVG	GlobalFiler™					
4e						
NCQQKL	PowerPlex® Fusion 5C					
	[14]	[20]	10,11	14	[10],12	
4e	7,8	11,12,14	12	NA	8,[9],13	11
	15,16	13.2,14	[28]	NA	X	[11],12
	[21],22	[10]	[14]		7	9,12
	15,17,18	NA				
NKHA2E	GlobalFiler™ (STRmix)					
	N.R.	N.R.	N.R.	N.R.	N.R.	
4e	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
	N.R.			N.R.	N.R.	N.R.
	N.R.	N.R.			N.R.	

TABLE 1

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

Item 4e - STR Results

NLDPDC	GlobalFiler™ (STRmix)					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22			15,16,25.2	6,7,9.3
	15,17,18	11			2	
NTCGGY	PowerPlex® Fusion 6C (STRmix)					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3
	15,17,18	11	17	18		
NZVH2H	PowerPlex® Fusion 6C (STRmix)					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3
	15,17,18	11	17	18		
NZVH44	PowerPlex® Fusion 5C					
		14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12
	4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,9,13
		[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]
		[20],21,22	10,13	[12],14,15,[16]		[6],7,[9.3]
	15,17,18	11			[8],9,12	
P2K9MM	GlobalFiler™					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22			15,16,25.2	6,7,9.3
	15,17,18	11			2	
P7HMCX	GlobalFiler™					
		14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12
	4e	7,8,[11]	11,[12],[13],[14]	12,[13]	18,[19],[20],23	8,[9],13
		[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,[16]	X,[Y]
		[20],21,22			[15],16,25.2	[6],7,[9.3]
	15,17,18	11			2	
P8Q3GJ	GlobalFiler™					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,32.2	11,15,16	X,Y
		20,21,22			15,16,25.2	6,7,9.3
	15,17,18	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 4e - STR Results

PC88FE	GlobalFiler™ (STRmix)					
	NR	NR	NR	NR	NR	
4e	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR
	NR			NR	NR	NR
	NR	NR			NR	
PCHA2D	GlobalFiler™					
	14,14,[17.3]	[17],20,25	10,11,[14]	14,14,[15,18]	[10,11],12	
4e	7,8,[11]	11,[12,13],14	12,12,[13]	18,[19,20],23	8,[9],13	[9],11,11
	[13],15,16	[13,13.2],14	28,28,[31.2,32.2]	[11],15,16	X,X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	[11]			[2]	
PF263J	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	--	--	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	--	--	2	
PFGMKW	GlobalFiler™ (STRmix)					
4e						
PMN64H	PowerPlex® 6C (STRmix V2.5.11)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
PU24R2	GlobalFiler™ (STRmix)					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4e	7,[8],11	[11],12,13,[14]	[12],13	19,20,[23]	9,[13]	9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y	[11],12
	20,[21],22			15,16,[25.2]	6,[7],9.3	8,[9],[12]
	[15],17,[18]	11			2	
PW6X9J	PowerPlex® Fusion 5c					
	14	20,25	10,[11],14	14	[10,11],12	
4e	7,8	11,[12],14	12,[13]	18,23	8,[9],13	[9],11
	15,16	14	28	[11],15,16	X	11,12
	[21],22	10,13	[12],14,15,[16]		[6],7	[8],9,12
	15,[17],18					

TABLE 1

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

Item 4e - STR Results

PXKV44	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
Q3BR4E	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
Q488FC	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
QCGWTB	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
QRRD3X	GlobalFiler™					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	8,9,12
	15,17,18	11			2	
QYRW39	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	12,13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22,23			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
R8ZQUF	PowerPlex® Fusion 6C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

RH3YKD	PowerPlex® Fusion 5C					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,X,[Y]	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
RPKGRU	GlobalFiler™ (STRmix)					
4e						
RTN4RD	PowerPlex® Fusion 6C (STRmix 2.5)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
T3KDR8	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
TFP2FU	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
TN9TE9	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
TXCC9N	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

U293BU	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
UDG7BH	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
UGKRAF	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
UHWBAD	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
UZR7HU	PowerPlex® Fusion 6C (STRmix v2.9)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
V2396T	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
V7E8ME	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

V8P99C	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
VZ7Q8X	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
W4NART	GlobalFiler™					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,17,18	11			2	
WJKPRL	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
WKWEY6	PowerPlex® Fusion					
	14,17.3	[17],20,25	10,11,14	14,14,[15],[18]	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,28,[31.2],[32.2]	11,15,16	XX,[Y]	11,12
	20,21,22	[9],10,13	14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
WMFFVC	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
WQZ88F	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	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 4e - STR Results

WUE6E3	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
WXXXP6	GlobalFiler™					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22			15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11			2	
WXXZF9	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
WYE8MC	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
X4MWJQ	Investigator® 24plex QS					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22			[15],16,25.2	[6],7,[9.3]	8,9,12
	15,[17],18	11				
X8HQCK	PowerPlex® Fusion 6C (DNAxs)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],18	[10,11],12	
4e	7,8,[11]	11,[12,13],14	12,[13]	18,[19,20],23	8,9,13	[9],11
	[13],15,16	[13,13.2],14	28,[31.2,32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	8,9,12
	15,17,18	11	17	18		
XAN9FM	PowerPlex® Fusion 6C (STRmix 2.9.1)					
	14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12	
4e	7,[8],[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,9,13	[9],11
	[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]	11,12
	[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,25.2	[6],7,[9.3]	[8],9,12
	15,[17],18	11	17	18		

TABLE 1

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

Item 4e - STR Results

XEKZJD	GlobalFiler™					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22			16,25.2	6,7,9.3
	15,17,18	11			2	
XG8CMP	PowerPlex® Fusion 6C					
		14,[17.3]	[17],20,25	10,11,[14]	14,[15],[18]	[10],[11],12
	4e	7,8,[11]	11,[12],[13],14	12,[13]	18,[19],[20],23	8,[9],13
		[13],15,16	[13],[13.2],14	28,[31.2],[32.2]	[11],15,16	X,[Y]
		[20],21,22	[9],10,13	[12],14,15,[16]	[15],16,[25.2]	[6],7,[9.3]
	15,[17],18	11	17	18		
XV4QKX	GlobalFiler™					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22			15,16,25.2	6,7,9.3
	15,17,18	11			2	
XYNHWZ	PowerPlex® Fusion 6C					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3
	15,17,18	11	17	18		
YKPW8K	PowerPlex® Fusion 6C (STRmix)					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3
	15,17,18	11	17	18		
YZYVX3	PowerPlex® Fusion					
		14,17.3	17,20,25	10,11,14	14,14,[15],[18]	[11],12,12
	4e	7,8	11,12,13,14	12,13	18,23	8,9,13
		13,15,16	13,14	28,28,[31.2],[32.2]	15,16	X,X,[Y]
		20,21,22	9,10,13	14,15,16		[6],7,7,[9.3]
	15,17,18	11				
Z734VH	PowerPlex® Fusion 6C (STRmix)					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3
	15,17,18	11	17	18		

TABLE 1

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

Item 4e - STR Results

ZDY6TN	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
ZLTBQV	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	11				
ZPRPCY	GlobalFiler™					
	14,(17.3)	(17),20,25	10,(11),(14)	14,14,(15),(18)	(10),(11),12	
4e	7,8,(11)	11,(12),(13),14	12,(13)	18,(19),(20),23	8,9,13	(9),11,11
	(13),15,16	(13),(13.2),14	28,28,(31.2),(32.2)	(11),15,16	X,X,(Y)	11,12
	(20),21,22			16,25.2	(6),7,(9.3)	8,9,12
	15,17,18	11			2	
ZQM6NW	PowerPlex® Fusion					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4e	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,21,22	9,10,13	12,14,15,16		6,7,9.3	8,9,12
	15,17,18	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 4sp - STR Results

2HAHBL	PowerPlex® Fusion 6C (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9,11
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
2TUMMR	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	-
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	-	-	15,16	6,9.3	8
	17	11	-	-	2	
32HX98	PowerPlex® Fusion 5C					
	[14],17.3	17,20,[25]	10,14	[14],15,18	10,11	
4sp	7,11	[11],12,13,[14]	[12],13	19,20	9,[13]	9,[11]
	13,[15],16	13,13.2	[28],31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,[7],9.3	8
	[15],17,[18]	11				
3DWVEW	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
3FEFAL	PowerPlex® Fusion 6C (STRmix 2.9)					
	[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	[12],13	19,20,[23]	[8],9,[13]	9,[11]
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,[10],13	12,[14],[15],16	15,16,[25.2]	6,9.3	8,8
	[15],17,[18]	11	17	18		
3NUXEJ	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
3U2FY7	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

4D3Y2J	PowerPlex® Fusion 6C (STRmix)					
	17,3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
4PL6L3	PowerPlex® Fusion					
	INC	17,20	10,14	15,18	10,11	N/A
4sp	7,11	[11],12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	[11],12,12
	20,22	9,13	12,16	N/A	6,9.3	8,8
	INC	11	N/A	N/A	N/A	
4RQ2NH	PowerPlex® Fusion 6C (STRmix)					
	17,3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
4UWH4Z	PowerPlex® Fusion 6C					
	17,3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
634LJX	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
674UPU	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,16,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
67KQGT	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	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 4sp - STR Results

6ANLZW	GlobalFiler™					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	[11],12,13,[14]	[12],13	19,20,[23]	9,[13]	9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y	[11],12
	20,22			15,16,[25.2]	6,[7],9.3	8,[9]
	17,[18]	11			2	
6BT9CF	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4sp	7,8,11	11,12,13,14	12,13	18,19,20,23	9,13	9,11
	13,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	12
	20,21,22			15,16,25.2	6,7,9.3	8
	15,17,18	11			2	
6BXQEK	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,[8],11	12,13	[12],13	19,20	[8],9,[13]	9,9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,[10],13	12,[14],[15],16	15,16,[25.2]	6,9.3	8,[12]
	[15],17	11	17	18		
6GKE9Q	PowerPlex® Fusion					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
6H2N7X	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
6HFWBR	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
6Y2KKL	GlobalFiler™					
	17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,11	12,13	13,13	19,20	9,[13]	9,[11]
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,[18]	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 4sp - STR Results

79KEAN	GlobalFiler™					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
79PXXQ	PowerPlex® Fusion 6C, GlobalFiler™					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	[11],12,13,[14]	[12],13	[18],19,20,[23]	9,[13]	9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y	[11],12
	20,[21],22	9,13	12,[14],[15],16	15,16,[25.2]	6,[7],9.3	8
	[15],17,[18]	11	17	18	2	
7HBYFL	GlobalFiler™					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
7HFAYF	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
7J8FRJ	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	[12],13	19,20	9,[13]	9,[11]
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	[11],12
	20,22	9,13	12,[14],[15],16	15,16,[25.2]	6,9.3	8,8
	17,17	11	17	18		
7M7TB3	GlobalFiler™					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
7QMYAX	GlobalFiler™					
	17,3	17,20	10,14	15,18	10,11,[12]	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	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 4sp - STR Results

7RHELU	GlobalFiler™ (STRmix)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
7U2X3H	PowerPlex® Fusion 6C (STRmix v.2.9)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
7XNB6U	GlobalFiler™					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
7YKQHQ	PowerPlex® Fusion					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
7ZQ9E2	GlobalFiler™					
	14,17.3	17,20,25	10,14	14,15,18	10,11,12	
4sp	7,8,11	11,12,13,14	13	19,20,23	9,13	9,11
	13,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	12
	20,22			15,16,25.2	6,7,9.3	8,12
	15,17	11			2	
8968UX	PowerPlex® Fusion					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9,[13]	9,9,[11]
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,[10],13	12,16		6,9.3	8,8
	17,17	11				
8ABYFK	PowerPlex® Fusion 5C					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	13,13	19,20	[8],9,[13]	9,9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,13	12,[14],16		6,[7],9.3	8,8
	17,17	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 4sp - STR Results

8AEJ4M	PowerPlex® Fusion					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
8ENKM7	GlobalFiler™					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
8TQ9EY	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
8VEKHB	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
984ULW	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
9CYNJX	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
9MH67C	GlobalFiler™					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	[11],12,13,[14]	[12],13	19,20,[23]	[8],9,[13]	9,[11]
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y	[11],12
	20,[21],22			15,16,[25.2]	6,[7],9.3	8,[9],[12]
	[15],17,[18]	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 4sp - STR Results

9QFTHD	GlobalFiler™					
	17,3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
9UYLXL	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
9V4VG	PowerPlex® Fusion 6C (STRmix v2.9)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
9Z2WQD	GlobalFiler™ (STRMix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
A4XX8L	PowerPlex® Fusion					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
A9JD7T	GlobalFiler™ (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4sp	7,8,11	11,12,13,14	13	19,20,23	9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15	X,Y	12
	20,21,22			15,16,25.2	6,7,9.3	8,9
	15,17,18	11			2	
A9UPDW	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

AQYU6F	PowerPlex® Fusion 6C					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	[11],12,13	[12],13	19,20	[8],9,[13]	9,[11]
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,13	12,[14],[15],16	15,16,[25.2]	6,9.3	8,[9]
	[15],17	11	17	18		
B4G48B	GlobalFiler™ (TrueAllele)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
B8X92Z	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
BPXK8F	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
BVJCYH	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	--	--	15,16	6,9.3	8
	17	11	--	--	2	
BWERBE	GlobalFiler™					
	[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	13,13	19,20,[23]	9,[13]	9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,22			15,16,[25.2]	6,[7],9.3	8,8
	[15],17,[18]	11			2	
BZE37E	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,14	15,18	10,11,[12]	
4sp	7,[8],11	12,13	13,13	19,20	9,[13]	9,9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,[14],16	15,16,[25.2]	6,9.3	8,8
	17,17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

BZE7VJ	NGM SElect					
	17.3,17.3	17,20	10,14	15,18		
4sp		12,13	13,13	19,20		9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	
	20,22			15,16	6,9.3	
	17,17					
BZHMUG	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
C26QX9	GlobalFiler™ (STRMix)					
	17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4sp	7,8,11	12,13,14	12,13	19,20	8,9,13	9
	16	13,14	31.2,32.2	11,15	X,Y	12
	20,21,22			15,16,25.2	6,7,9.3	8
	15,17,18	11			2	
C4C4HV	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
C8RDVY	GlobalFiler™ (STRmix)					
	14,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16,25.2	6,9.3	8
	17	11			2	
CNJCYF	PowerPlex® Fusion 5C					
	17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,11	12,13	13,13	19,20	9,[13]	9,9
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,[10],13	12,[14],16		6,9.3	8,8
	17,17	11				
CTVACU	PowerPlex® Fusion 6C					
	[14],17.3,17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	[11],12,13,[14]	[12],13,13	[18],19,20,[23]	[8],9,9,[13]	9,9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y	[11],12,12
	20,[21],22	9,[10],13	12,[14],[15],16	15,16,[25.2]	6,[7],9.3	8,8,[9],[12]
	[15],17,17,[18]	11	17	18		

TABLE 1

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

Item 4sp - STR Results

CURPPQ	Investigator® 24plex (STRmix)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11				
D2ZQDY	GlobalFiler™ (STRmix)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
D3WX4Q	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
D7GVCU	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4sp	7,8,11	12,13,14	13	19,20,23	9,13	9,11
	13,16	13,13.2,14	28,31.2,32.2	11,15	X,Y	12
	20,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9
	17	11	17	18		
DAECNN	GlobalFiler™ (STRmix)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
DAHVEC	PowerPlex® Fusion 6C (STRmix v2.9)					
	17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,[8],11	12,13	[12],13	19,20	[8],9	9,9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,13	12,[15],16	15,16,[25.2]	6,9.3	8,8
	[15],17	11	17	18		
DBQATT	PowerPlex® Fusion 6C (STRmix)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

DEPQ7M	GlobalFiler™					
		17,3,17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
		17,17	11			2
DF337C	PowerPlex® Fusion 6C (STRmix)					
		17,3,17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
		17,17	11	17	18	
DKVADR	PowerPlex® Fusion 6C (STRmix)					
		17,3,17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
		17,17	11	17	18	
DRFDKU	PowerPlex® Fusion 6C (STRmix V2.5.11)					
		17,3,17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
		17,17	11	17	18	
DYYHBA	PowerPlex® Fusion 6C (STRmix v2.9.1)					
		[14],17.3	17,20	10,[11],14	15,18	10,11,[12]
4sp		7,[8],11	12,13	13,13	19,20	9,[13]
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,[21],22	9,13	12,[14],16	15,16,[25.2]	6,9.3
		17,17	11	17	18	
DZT9GN	GlobalFiler™					
		17,3,17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
		17,17	11			2
E3QCJV	GlobalFiler™					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
4sp		7,8,11	11,12,13,14	12,13	19,20	9,13
		13,16	13,13.2,14	28,31.2,32.2	11,15	X,Y
		20,21,22	--	--	15,16,25.2	6,7,9.3
		15,17,18	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 4sp - STR Results

E4MHBM	PowerPlex® Fusion 5C					
	[14],17.3,17.3	17,20,[25]	10,[11],14	15,18	10,11,[12]	
	4sp 7,[8],11	[11],12,13	13,13	19,20,[23]	9,9	9,9,[11]
	13,[15],16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,[14],16		6,[7],9.3	8,8,[12]
	17,17,[18]	11				
E88GHQ	Investigator® 24plex QS					
	17.3,17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11				
EH782C	PowerPlex® Fusion 5C (STRmix)					
	[14],17.3	17,20,[25]	10,[11],14	15,18	10,11,[12]	
	4sp 7,[8],11	12,13,[14]	13,13	19,20,[23]	9,[13]	9,[11]
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,[14],[15],16		6,9.3	8,8
	[15],17,[18]	11				
EKA3KF	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11		2		
ENB6TP	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	17.3,17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
ETQE7T	GlobalFiler™ (STRmix)					
	13,14,15,16.3,17.1,17.3	16,17,19,20,24,25	9,10,11,13,14	13,14,15,17,18	9,10,11,12	
	4sp 6,7,8,10,11	10,11,12,13,14	11,12,13	17,18,19,20,23	8,9,10,12,13	8,9,10,11
	12,13,14,15,16	12,12.2,13,13.2,14	28,30.2,31.2,32.2	11,14,15,16	X,Y	10,11,12
	19,20,21,22			14,14.2,15,15.2,16,25.2	6,7,9.3	8,9,12
	15,16,17,18	10,11		2		
EWM67D	GlobalFiler™					
	[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
	4sp 7,[8],11	12,13,[14]	[12],13	19,20,[23]	9,[13]	9,[11]
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,22			15,16,[25.2]	6,[7],9.3	8,[9]
	[15],17,[18]	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 4sp - STR Results

F2FPM2	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
F37XQB	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
F3AFTG	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
F769MB	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
FEXGAM	GlobalFiler™					
	[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13	13	19,20	9,[13]	9,[11]
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12
	20,22			15,16,[25.2]	6,[7],9.3	8
	17,[18]	11			2	
FG6WHE	PowerPlex® Fusion					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
FGB4TM	Investigator® 24plex (STRMix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,8,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16,25.2	6,9.3	8
	17	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 4sp - STR Results

FJEM9H	GlobalFiler™ (STRmix)					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
FR8UTA	PowerPlex® Fusion 5C (STRmix v2.9)					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13	13,13	19,20	9,[13]	9,[11]
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,[10],13	12,[14],[15],16		6,[7],9.3	8,8
	[15],17,[18]	11				
FWH9B8	GlobalFiler™					
	[14],17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	13,13	19,20,[23]	9,[13]	9,9
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22			15,16,[25.2]	6,[7],9.3	8,8
	[15],17,[18]	11			2	
FXB27Q	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	17,20,25	10,11,14	14,15,18	10,11,12	
4sp	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y	12
	20,21,22	9,10,13	12,14,15,16	15,16,25.2	6,7,9.3	8,9,12
	15,17,18	11	17	18		
GBEM9G	PowerPlex® Fusion					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
GN87P8	Investigator® 24plex QS					
	[14],17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,[8],11	12,13	13,13	19,20	9,[13]	9,9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22			15,16,[25.2]	6,9.3	8,8
	17,17	11				
GTXFY6	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

GY7WEL	PowerPlex® Fusion					
	17,3,17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16		6,9.3	8,8
	17,17	11				
H6PL79	PowerPlex® Fusion 6C					
	[14],17.3	17,20	10,14	[14],15,18	10,11,[12]	
	4sp 7,11	12,13	13,13	19,20	9,9	9,[11]
	13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	[11],12
	20,[21],22	9,13	12,16	15,16	6,[7],9.3	8,8
	[15],17	11	17	18		
HPU4EP	PowerPlex® Fusion 6C (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
HRXYXR	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11		2		
HRYW9N	PowerPlex® Fusion 6C					
	17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
HTTHYU	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
	4sp 7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11		2		
HVZZXP	GlobalFiler™					
	14,17.3	17,20	10,11,14	14,15,18	10,11,12	
	4sp 7,8,11	11,12,13,14	12,13	18,19,20,23	9	9,11
	13,15,16	13,13.2	28,31.2,32.2	11,15,16	X,Y	12
	20,21,22	--	--	15,16,25.2	6,7,9.3	8,12
	15,17,18	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 4sp - STR Results

J3E9W7	PowerPlex® Fusion 6C (STRmix v2.9)					
	17,3	17,20	10,14	15,18	10,11,12	
4sp	7,11	12,13	13	19,20	9	9,11
	13,16	13,13.2	31,2,32,2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9,3	8
	17	11	17	18		
JGYN3Q	GlobalFiler™					
	14,17.3	17,20,25	10,14	14,15,18	10,11,12	
4sp	7,8,11	12,13	12,13	19,20	9	9,11
	13,16	13,13.2	28,31,2,32,2	11,15,16	X,Y	12
	20,22			15,16	6,7,9,3	8,9
	17,18	11			2	
JHVVTH	PowerPlex® Fusion					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9,[13]	9,9,[11]
	13,16	13,13.2	[28],31,2,32,2	11,15	X,Y	12,12
	20,22	9,13	12,16		6,9,3	8,8,[12]
	[15],17,17	11				
JKXYXQ	GlobalFiler™					
	17.3	17,20,25	10,11,14	15,18	10,11,12	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	28,31,2,32,2	11,15	X,Y	12
	20,22			15,16	6,9,3	8
	15,17,18	11			2	
JRG7WH	PowerPlex® Fusion					
	17.3	17,20	10,11,14	14,15	10,11,12	
4sp	7,8,11	11,12,13	12,13	19,20,23	8,9,13	9
	13,15,16	13,14	28,31,2,32,2	11	X,Y	11,12
	20,21,22	9,10,13	12,14,16		6	8
	17,18	11				
JU28NN	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31,2,32,2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9,3	8,8
	17,17	11	17	18		
K87TH2	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31,2,32,2	11,15	X,Y	12,12
	20,22			15,16	6,9,3	8,8
	17,17	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 4sp - STR Results

KEPVP4	Investigator® 24plex QS (STRmix 2.9)					
	17.3,17.3	17,20	10,14	[14],15,18	10,11,[12]	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11				
KKR367	PowerPlex® Fusion 5C (STRmix v2.9.1)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	[11],12,13	13,13	19,20	9,[13]	9,[11]
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,[10],13	12,[14],[15],16		6,9.3	8,8
	17,[18]	11				
KQEUEK	PowerPlex® Fusion 6C (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
KXYXJ2	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
L2WPKD	PowerPlex® Fusion 6C					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
L39B2Z	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16,25.2	6,9.3	8
	17	11			2	
LELLFH	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

LMVZDD	GlobalFiler™ (STRmix)					
	17,3,18,3	17,20	10,14	15,16,18	10,11	
4sp	7,11	10,12,13	13	19,20	9	9
	13,14,16	13,13.2	31,2,32,2	11,15	X,Y	12
	20,22			15,16	6,9,3	8
	17	11			2	
LN8Y8M	GlobalFiler™					
	17,3,17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31,2,32,2	11,15	X,Y	12,12
	20,22			15,16	6,9,3	8,8
	17,17	11			2	
LT2T8A	PowerPlex® Fusion 5C					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31,2,32,2	11,15	X,Y	12
	20,22	9,13	12,16		6,9,3	8
	17	11				
LUTRH2	GlobalFiler™					
	14,17,3	17,20,25	10,11,14	14,15,18	10,11,12	
4sp	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13	9,11
	13,15,16	13,13,2,14	28,31,2,32,2	11,15,16	X,Y	11,12
	20,21,22			15,16,25,2	6,7,9,3	8,9,12
	15,17,18	11			2	
LUXAK7	GlobalFiler™					
	[14],17,3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	[12],13	19,20,[23]	9,[13]	9,[11]
	13,16	13,13,2,[14]	[28],31,2,32,2	11,15	X,Y	12,12
	20,22			15,16,[25,2]	6,[7],9,3	8,8
	17,[18]	11			2	
M6Q74J	GlobalFiler™ (STRmix)					
	13,14,16,3,17,3	16,17,19,20,24,25	9,10,11,13,14	13,14,15,17,18	9,10,11,12	
4sp	6,7,8,10,11	10,11,12,13,14	11,12,13	17,18,19,20,22,23	8,9,12,13	8,9,10,11
	12,13,14,15,16	12,12,2,13,13,2,14	27,28,30,2,31,2,32,2	10,11,14,15,16	X,Y	10,11,12
	19,20,21,22			14,14,2,15,15,2,16,2	6,7,9,3	8,9,12
	15,16,17,18	10,11		4,2,25,2	2	
MEBJWN	GlobalFiler™ (STRmix)					
	17,3	17,20	10,11,14	15,18	10,11	
4sp	7,11	12,13,14	13	19,20,23	9	9
	13,16	13,13.2	31,2,32,2	11,15	X,Y	12
	20,22			15,16,25,2	6,9,3	8
	15,17,18	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 4sp - STR Results

MK2T98	GlobalFiler™					
		17,3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13	19,20	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
		17	11			2
MKM68F	GlobalFiler™					
		17.3,17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
		17,17	11			2
MWGEZG	GlobalFiler™ (STRmix)					
		14,17.3	17,20	10,11,14	14,15,18	10,11,12
4sp		7,8,11	12,13,14	12,13	19,20	9,13
		13,16	13,13.2,14	28,31.2,32.2	11,15	X,Y
		20,21,22			15,16,25.2	6,9.3
		15,17,18	11			2
N2Q4TN	GlobalFiler™					
		17.3	17,20	10,14	15,18	10,11
4sp		7,11	12,13	13	19,20	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
		17	11			2
NBRNVG	GlobalFiler™					
		[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]
4sp		7,11	[11],12,13,[14]	[12],13	[18],19,20	9,[13]
		13,[15],16	13,13.2,14	[28],31.2,32.2	11,15,[16]	X,Y
		20,[21],22			15,16	6,[7],9.3
		[15],17	11			2
NCQQKL	PowerPlex® Fusion 5C					
		[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]
4sp		7,[8],11	[11],12,13,[14]	13	[18],19,20,[23]	[8],9,[13]
		13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y
		20,22	9,[10],13	12,[15],16		6,[7],9.3
		[15],17,[18]	11			8,[12]
NKHA2E	GlobalFiler™ (STRmix)					
		17.3	17,20,[25]	10,[11],14	15,18	10,11,[12]
4sp		7,11	[11],12,13,[14]	[12],13	19,20	9
		13,16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y
		20,22			15,16,[25.2]	6,[7],9.3
		[15],17	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 4sp - STR Results

NLDPDC	GlobalFiler™ (STRmix)						
		17,3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22			15,16	6,9.3	8
	17	11			2		
NTCGGY	PowerPlex® Fusion 6C (STRmix)						
		17.3,17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13,13	19,20	9,9	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
		20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18			
NZVH2H	PowerPlex® Fusion 6C (STRmix)						
		17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18			
NZVH44	PowerPlex® Fusion 5C						
		17.3,17.3	17,20	10,11,14	[14],15,18	10,11	
	4sp	7,11	12,13	13,13	19,20	9,9	9,9
		13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
		20,22	9,13	12,[14],[15],16		6,9.3	8,8
	[15],17	11					
P2K9MM	GlobalFiler™						
		17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22			15,16	6,9.3	8
	17	11			2		
P7HMCX	GlobalFiler™						
		[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
	4sp	7,[8],11	12,13,[14]	13,13	19,20	9,9	9,9
		13,[15],16	13,13.2	[28],31.2,32.2	11,15	X,Y	[11],12
		20,22			15,16,[25.2]	6,9.3	8,8
	[15],17	11			2		
P8Q3GJ	GlobalFiler™						
		17.3	17,20	10,14	15,18	10,11,12	
	4sp	7,8,11	12,13,14	12,13	19,20	9	9
		13,15,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22			15,16,25.2	6,9.3	8
	17	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 4sp - STR Results

PC88FE	GlobalFiler™ (STRmix)					
		[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]
	4sp	7,[8],11	[11],12,13,[14]	[12],13	[18],19,20,[23]	9,[13]
		13,16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y
		20,22			15,16,[25.2]	6,[7],9.3
	[15],17,[18]	11			2	
PCHA2D	GlobalFiler™					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
	17,17	11			2	
PF263J	GlobalFiler™					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4sp	7,8,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	--	--	15,16,25.2	6,7,9.3
	15,17,18	11	--	--	2	
PFGMKW	GlobalFiler™ (STRmix)					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4sp	7,8,10,11	11,12,13,14	12,13	18,19,20,23	8,9,13
		13,16	13,13.2,14	28,31.2,32.2	11,15	X,Y
		20,21,22			15,16,25.2	6,7,9.3
	15,17,18	11			2	
PMN64H	PowerPlex® 6C (STRmix V2.5.11)					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
	17,17	11	17	18		
PU24R2	GlobalFiler™ (STRmix)					
		17.3,17.3	17,20	10,[11],14	[14],15,18	10,11,[12]
	4sp	7,[8],11	12,13	13,13	19,20	9,[13]
		13,16	13,13.2	[28],31.2,32.2	11,15	X,Y
		20,22			15,16,[25.2]	6,9.3
	17,17	11			2	
PW6X9J	PowerPlex® Fusion 5c					
		[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]
	4sp	7,[8],11	[11],12,13,[14]	[12],13	[18],19,20,[23]	9,[13]
		13,16	13,13.2,[14]	[28],31.2,32.2	11,15,[16]	X,Y
		20,22	9,[10],13	12,[15],16		6,[7],9.3
	[15],17,[18]	11			8	

TABLE 1

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

Item 4sp - STR Results

PXKV44	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
Q3BR4E	PowerPlex® Fusion 6C (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
Q488FC	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
QCGWTB	PowerPlex® Fusion 6C					
	[14],17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,[21],22	9,13	12,16	15,16	6,[7],9.3	8,8,[12]
	17,17	11	17	18		
QRRD3X	GlobalFiler™					
	[14],17.3	17,20	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	12,13,[14]	13,13	19,20	[8],9,[13]	9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,[7],9.3	8,[12]
	[15],17,[18]	11			2	
QYRW39	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
R8ZQUF	PowerPlex® Fusion 6C					
	17.3	17,20	10,14	15,18	10,11,12	
4sp	7,8,11	12,13	13	19,20	9,13	9
	13,16	13,13.2	28,31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16,25.2	6,9.3	8
	17	11	17	18		

TABLE 1

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

Item 4sp - STR Results

RH3YKD	PowerPlex® Fusion 5C					
		17,3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,[14],16		6,[7],9.3
	17,17	11			8,8	
RPKGRU	GlobalFiler™ (STRmix)					
		14,17.3	17,19,20	10,11,14	14,15,18	10,11,12
	4sp	7,11	11,12,13,14	12,13	19,20,23	9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22			14.2,15,16,25.2	6,7,9.3
	15,17,18	11			2	
RTN4RD	PowerPlex® Fusion 6C (STRmix 2.5)					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
	17,17	11	17	18	8,8	
T3KDR8	GlobalFiler™ (STRmix)					
		17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13	19,20	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
	17	11			8	
					2	
TFP2FU	PowerPlex® Fusion 6C (STRmix)					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
	17,17	11	17	18	8,8	
TN9TE9	GlobalFiler™ (STRmix)					
		17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13	19,20	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
	17	11			8	
					2	
TXCC9N	PowerPlex® Fusion 6C (STRmix)					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
	17,17	11	17	18	8,8	

TABLE 1

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

Item 4sp - STR Results

U293BU	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
UDG7BH	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
UGKRAF	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
UHWBAD	PowerPlex® Fusion 6C (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
UZR7HU	PowerPlex® Fusion 6C (STRmix v2.9)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
V2396T	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
V7E8ME	GlobalFiler™ (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	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 4sp - STR Results

V8P99C	GlobalFiler™ (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
VZ7Q8X	GlobalFiler™					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	11			2	
W4NART	GlobalFiler™					
	[14],17.3	17,20,[25]	10,[11],14	[14],15,18	10,11,[12]	
4sp	7,[8],11	[11],12,13,[14]	[12],13	[18],19,20,[23]	[8],9,[13]	9,[11]
	13,[15],16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
	20,[21],22			15,16,[25.2]	6,[7],9.3	8,[9],[12]
	[15],17,[18]	11			2	
WJKPRL	PowerPlex® Fusion 6C (STRmix)					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18		
WKWEY6	PowerPlex® Fusion					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13,[14]	13,13	19,20	9,9	9,9
	13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
	20,22	9,13	12,16		6,9.3	8,8
	17,17	11				
WMFFVC	PowerPlex® Fusion 6C (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18		
WQZ88F	GlobalFiler™ (STRmix)					
	17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22			15,16	6,9.3	8
	17	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 4sp - STR Results

WUE6E3	GlobalFiler™ (STRmix)						
		17,3,18.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,14,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22			15,16	6,9.3	8
	17	11			2		
WXXXP6	GlobalFiler™						
		17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22			15,16	6,9.3	8
	17	11			2		
WXXZF9	PowerPlex® Fusion 6C (STRmix)						
		17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18			
WYE8MC	PowerPlex® Fusion 6C (STRmix)						
		17.3,17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13,13	19,20	9,9	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
		20,22	9,13	12,16	15,16	6,9.3	8,8
	17,17	11	17	18			
X4MWJQ	Investigator® 24plex QS						
		[14],17.3	17,20,[25]	10,14	15,18	10,11,[12]	
	4sp	7,[8],11	12,13	13,13	19,20	[8],9,[13]	9,9
		13,16	13,13.2,[14]	[28],31.2,32.2	11,15	X,Y	12,12
		20,22			15,16	6,9.3	8,8
	[15],17,[18]	11					
X8HQCK	PowerPlex® Fusion 6C (DNAxs)						
		17.3	17,20	10,14	15,18	10,11	
	4sp	7,11	12,13	13	19,20	9	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y	12
		20,22	9,13	12,16	15,16	6,9.3	8
	17	11	17	18			
XAN9FM	PowerPlex® Fusion 6C (STRmix 2.9.1)						
		17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]	
	4sp	7,[8],11	12,13	13,13	19,20	9,[13]	9,9
		13,16	13,13.2	[28],31.2,32.2	11,15	X,Y	12,12
		20,22	9,13	12,16	15,16	6,9.3	8,8
	[15],17	11	17	18			

TABLE 1

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

Item 4sp - STR Results

XEKZJD	GlobalFiler™					
		14,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13	19,20	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
	17	11			2	
XG8CMP	PowerPlex® Fusion 6C					
		17.3,17.3	17,20	10,[11],14	15,18	10,11,[12]
	4sp	7,[8],11	12,13	13,13	19,20	9,[13]
		13,16	13,13.2	[28],31.2,32.2	11,15	X,Y
		20,22	9,13	12,[15],16	15,16,[25.2]	6,9.3
	[15],17	11	17	18	8,[9]	
XV4QKX	GlobalFiler™					
		17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13	19,20	9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22			15,16	6,9.3
	17	11			2	
XYNHWZ	PowerPlex® Fusion 6C					
		14,17.3	17,20,25	10,11,14	14,15,18	10,11,12
	4sp	7,8,11	11,12,13,14	12,13	19,20,23	9,13
		13,15,16	13,13.2,14	28,31.2,32.2	11,15,16	X,Y
		20,21,22	9,10,13	12,15,16	15,16,25.2	6,7,9.3
	15,17,18	11	17	18	8,9,12	
YKPW8K	PowerPlex® Fusion 6C (STRmix)					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
	17,17	11	17	18	8,8	
YZYVX3	PowerPlex® Fusion					
		17.3,17.3	17,20,[25]	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20,[23]	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16		6,[7],9.3
	17,17	11			8,8	
Z734VH	PowerPlex® Fusion 6C (STRmix)					
		17.3,17.3	17,20	10,14	15,18	10,11
	4sp	7,11	12,13	13,13	19,20	9,9
		13,16	13,13.2	31.2,32.2	11,15	X,Y
		20,22	9,13	12,16	15,16	6,9.3
	17,17	11	17	18	8,8	

TABLE 1

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

Item 4sp - STR Results

ZDY6TN	PowerPlex® Fusion 6C (STRmix)					
	17,3	17,20	10,14	15,18	10,11,12	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16	15,16,25.2	6,9.3	8
	17	11	17	18		
ZLTBQV	PowerPlex® Fusion					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				
ZPRPCY	GlobalFiler™					
	17.3,17.3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13,13	19,20	9,9	9,9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12,12
	20,22			15,16	6,9.3	8,8
	17,17	11			2	
ZQM6NW	PowerPlex® Fusion					
	17,3	17,20	10,14	15,18	10,11	
4sp	7,11	12,13	13	19,20	9	9
	13,16	13,13.2	31.2,32.2	11,15	X,Y	12
	20,22	9,13	12,16		6,9.3	8
	17	11				

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 1 - YSTR Results										
2HAHBL	Yfiler™									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15			
							21		10	
2TUMMR	Yfiler™									
	-	15	15	13	31	23	10	12	15	
1	14	10	11	20	-	14	15	-	-	
	-	-	-	-	-	-	21	-	10	
3DWVEW	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
3U2FY7	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
4D3Y2J	Yfiler™									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15			
							21		10	
4PL6L3										
	N/A	15	15,15	13	31	23	10	12	15	
1	14	10	11	20	N/A	14	15	N/A	28	
	N/A	11	12	21	16	N/A	21	12	10	
4RQ2NH	Yfiler™									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15			
							21		10	
4UWH4Z	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
634LJX	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
674UPU	Yfiler™ Plus									
	37	15	15	13	31	23	10	12	15	
1	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
67KQGT	Yfiler™ Plus									
	37	15	15	13	31	23	10	12	15	
1	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	

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 1 - YSTR Results										
6ANLZW	Yfiler™ Plus									
	37	15	15	13	31	23	10	12	15	
1	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
6BT9CF	Yfiler™ Plus									
	37	15	15	13		23	10	12	15	
1	14	10	11	20			15	11	28	
	38	11		21	16		21		10	
6GKE9Q	Yfiler™ Plus									
	37	15	15	13	31	23	10	12	15,(16)	
1	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
6H2N7X	Yfiler™ Plus									
	37	15	15	13	31	23	10	12	15	
1	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
6HFWBR	Yfiler™									
		15	15	13	31	23	10	12	15	
1	14	10	11	20		14	15			
							21		10	
6QCPRX	PowerPlex® 35GY									
			15			23	10			
1		10		20		14	15		28	
							21	12		
79KEAN	Yfiler™									
		15	15	13	31	23	10	12	15	
1	14	10	11	20		14	15			
							21		10	
79PXXQ	PowerPlex® Y 23									
		15	15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
7HBYFL	Yfiler™									
		15	15	13	31	23	10	12	15	
1	14	10	11	20		14	15			
							21		10	
7HFAFY	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
7QMYAX	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
1	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
7RHELU	Yfiler™ Plus									
	37	15	15	13	31	23	10	12	15	
1	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	

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 1 - YSTR Results									
7YKQHQ	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
7ZQ9E2	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
8968UX	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
8AEJ4M	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
8TQ9EY	PowerPlex® Y 23								
		15	15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
8VEKHB	Yfiler™								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
							21		10
8W8DDU	PowerPlex® Y 23								
		15	15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
984ULW	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
9CYNJX	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
9UYLXL	Yfiler™								
		15	15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
							21		10
9Z2WQD	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
A4XX8L	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10

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 1 - YSTR Results										
B4G48B	Yfiler™ Plus									
1	37	15	15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
B8X92Z	Yfiler™ Plus									
1	37	15	15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
BPXK8F	Yfiler™									
1		15	15,15	13	31	23	10	12	15	
	14	10	11	20		14	15			
							21		10	
BWERBE	PowerPlex® Y 23									
1		15	15,15	13	31	23	10	12	15	
	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
BZE37E	Yfiler™ Plus									
1	37,37	15	15,15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
BZE7VJ	PowerPlex® Y 23									
1		15	15,15	13	31	23	10	12	15	
	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	
BZHMUG	Yfiler™									
1		15	15	13	31	23	10	12	15	
	14	10	11	20		14	15			
							21		10	
C26QX9	Yfiler™ Plus									
1	37	15	15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
C8RDVY	Yfiler™ Plus									
1	37	15	15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
CHTYD	Yfiler™ Plus									
1	37	15	15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
CLUXGW	Yfiler™ Plus									
1	37,37	15	15,15	13	31	23	10	12	15	
	14	10	11	20	27	14	15	11	28	
	38	11		21	16	21	21		10	
CNJCYF	PowerPlex® Y 23									
1		15	15	13	31	23	10	12	15	
	14	10	11	20		14	15		28	
		11	12	21	16		21	12	10	

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 1 - YSTR Results									
D3WX4Q	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
DAECNN	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
DAHWEC	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
DEPQ7M	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15,[16]
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
DF337C	Yfiler™								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		
DKVADR	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
DRFDKU	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
DYYHBA	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
DZT9GN	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
E4MHBM	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
EKA3KF	Yfiler™								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		
ENB6TP	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		

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 1 - YSTR Results

F2FPM2	Yfiler™									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	21	10	
F37XQB	Yfiler™									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	21	10	
F769MB	Yfiler™									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	21	10	
FG6WHE	Yfiler™ Plus									
		37	15	15	13	31	23	10	12	15
	1	14	10	11	20	27	14	15	11	28
		38	11		21	16	21	21		10
FJEM9H	Yfiler™ Plus									
		37	15	15	13	31	23	10	12	15
	1	14	10	11	20	27	14	15	11	28
		38	11		21	16	21	21		10
FR8UTA	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	28		
		11	12	21	16		21	12	10	
GBEM9G	Yfiler™ Plus									
		37	15	15	13	31	23	10	12	15
	1	14	10	11	20	27	14	15	11	28
		38	11		21	16	21	21		10
GN87P8	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	28		
		11	12	21	16		21	12	10	
GTXFY6	Yfiler™									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15			
							21		10	
GY7WEL	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	28		
		11	12	21	16		21	12	10	
HRXYXR	Yfiler™ Plus									
		37	15	15	13	31	23	10	12	15
	1	14	10	11	20	27	14	15	11	28
		38	11		21	16	21	21		10
JHVVTH	PowerPlex® Y 23									
		15	15,15	13	31	23	10	12	15	
	1	14	10	11	20	14	15	28		
		11	12	21	16		21	12	10	

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 1 - YSTR Results									
JRG7WH	PowerPlex® Y 23								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
JU28NN	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
KEPVP4	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
KQEUEK	PowerPlex® Y 23								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
L2WPKD	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
LELLFH	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
LMVZDD	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
LT2T8A	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
LUXAK7	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
M7LLFF	PowerPlex® Y 23								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
MEBJWN	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
MK2T98	Yfiler™								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		

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 1 - YSTR Results									
MKM68F	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15,[16]
	14	10	11	20	27	14	15	11	28
	38	11		[20],21	16	21	21		10
NBRNVG	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
NLDPDC	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
NPB7P7	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
NTCGGY	Yfiler™								
1		15	15,15	13	31	23	10	12	15
	14	10	11	20		14	15		
							21		10
P7HMCX	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
PC88FE	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
PCHA2D	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
PFGMKW	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
PMN64H	PowerPlex® Y 23								
1		15	15,15	13	31	23	10	12	15
	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
PU24R2	PowerPlex® Y 23								
1		15	15,15	13	31	23	10	12	15
	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
PXKV44	Yfiler™								
1		15	15	13	31	23	10	12	15
	14	10	11	20		14	15		
							21		10

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 1 - YSTR Results									
Q488FC	Yfiler™ Plus								
	37,37	15	15,15	13	31	23	10	12	15,[16]
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
QCGWTB	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
QYRW39	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
RH3YKD	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
RPKGRU	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
RTN4RD	PowerPlex® Y 23								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
		11	12	21	16		21	12	10
T3KDR8	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
TFP2FU	Yfiler™								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
							21		10
TXCC9N	Yfiler™								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
							21		10
U293BU	Yfiler™								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		28
							21		10
UFP98E	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
UGKRAF	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10

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 1 - YSTR Results									
UZR7HU	PowerPlex® Y 23								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
V2396T	Yfiler™								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		
V7E8ME	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
V8P99C	Yfiler™ Plus								
1	37,37	15	15,15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
VZ7Q8X	Yfiler™								
1	15	15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		
WJKPRL	Yfiler™								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		
WKWEY6	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
WQZ88F	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
WUE6E3	Yfiler™ Plus								
1	37	15	15	13	31	23	10	12	15
	14	10	11	20	27	14	15	11	28
	38	11	21	16	21	21	10		
WYE8MC	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		
YKPW8K	Yfiler™								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
						21	10		
YZYVX3	PowerPlex® Y 23								
1	15	15,15	13	31	23	10	12	15	
	14	10	11	20	14	15	28		
	11	12	21	16	21	12	10		

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 1 - YSTR Results

Z734VH	Yfiler™								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		
							21		10
ZDY6TN	Yfiler™								
		15	15,15	13	31	23	10	12	15
1	14	10	11	20		14	15		
							21		10
ZLTBQV	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
ZPRPCY	Yfiler™ Plus								
	37,37	15	15,15	13	31	23	10	12	15,(16)
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10
ZQM6NW	Yfiler™ Plus								
	37	15	15	13	31	23	10	12	15
1	14	10	11	20	27	14	15	11	28
	38	11		21	16	21	21		10

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

8968UX	PowerPlex® Y 23								
		ND	ND	ND	ND	ND	ND	ND	ND
3	ND	ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND		ND	ND	ND
A4XX8L	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
DKVADR	PowerPlex® Y 23								
		15	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	12	18		NR	NR		22
		NR	NR	NR	NR		NR	NR	NR
EKA3KF	Yfiler™								
		-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
MK2T98	Yfiler™								
		-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
PC88FE	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

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

6QCPRX	PowerPlex® 35GY								
			11,14			23	11		
4		12		18		16	17		22
							23	10	
8W8DDU	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
CLUXGW	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
UFP98E	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4e - YSTR Results

2HAHBL	Yfiler™								
4e	[REDACTED]								
2TUMMR	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		
							23		12
3DWVEW	PowerPlex® Y 23								
4e	[REDACTED]								
3U2FY7	PowerPlex® Y 23								
4e	[REDACTED]								
4D3Y2J	Yfiler™								
4e	[REDACTED]								
4PL6L3	Yfiler™ 23								
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4RQ2NH	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		
							23		12
634LJX	PowerPlex® Y 23								
4e	[REDACTED]								
674UPU	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
67KQGT	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6ANLZW	Yfiler™ Plus								
4e	[REDACTED]								
6BT9CF	Yfiler™ Plus								
4e	[REDACTED]								

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 4e - YSTR Results									
6GKE9Q	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6H2N7X	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6HFWBR	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		
							23		12
79KEAN	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		
							23		12
79PXXQ	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
7HBYFL	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		
							23		12
7HFAFY	PowerPlex® Y 23								
4e									
7QMYAX	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
7RHELU	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
7YKQHQ	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
7ZQ9E2	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
8968UX	PowerPlex® Y 23								
		ND	INC	ND	ND	ND	11	ND	ND
4e	ND	12	12	18		ND	17		22
		ND	12	ND	ND		ND	ND	ND

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 4e - YSTR Results									
8AEJ4M	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
8TQ9EY	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
8VEKHB	Yfiler™								
4e									
984ULW	PowerPlex® Y 23								
4e									
9UYLXL	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		12
							23		12
9Z2WQD	Yfiler™ Plus								
4e									
A4XX8L	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
B4G48B	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
B8X9ZZ	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
BPXK8F	Yfiler™								
4e									
BWERBE	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
BZE37E	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4e - YSTR Results

BZE7VJ	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
BZHMUG	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
							23		12
C26QX9	Yfiler™ Plus								
4e									
C8RDVY	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
CNJCYF	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
D3WX4Q	PowerPlex® Y 23								
4e									
DAECNN	Yfiler™ Plus								
4e									
DAHVEC	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
DEPQ7M	Yfiler™ Plus								
4e									
DF337C	Yfiler™								
4e									
DKVADR	PowerPlex® Y 23								
4e									
DRFDKU	PowerPlex® Y 23								
4e									

TABLE 2

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

Item 4e - YSTR Results

DYYHBA	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
DZT9GN	Yfiler™ Plus								
4e									
E4MHBM	PowerPlex® Y 23								
4e									
E88GHQ	Yfiler™ Plus								
4e									
EKA3KF	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		12
							23		
ENB6TP	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
F2FPM2	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		12
							23		
F37XQB	Yfiler™								
4e									
F769MB	Yfiler™								
4e									
FG6WHE	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
FJEM9H	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
FR8UTA	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		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 4e - YSTR Results

GBEM9G	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
4e	37	13		17	18	22	23		12
GN87P8	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
	15	12	12	18		16	17		22
4e		13	12	17	18		23	10	12
GTXFY6	Yfiler™								
	4e								
GY7WEL	PowerPlex® Y 23								
	4e								
HRXYXR	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
4e	37	13		17	18	22	23		12
JHWTH	PowerPlex® Y 23								
		ND	INC	ND	ND	23	ND	ND	13
	ND	ND	ND	18		ND	ND		22
4e		13	12	17	18		ND	10	ND
JRG7WH	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
	15	12	12	18		16	17		22
4e		13	12	17	18		23	10	12
JU28NN	PowerPlex® Y 23								
	4e								
KEPVP4	Yfiler™ Plus								
	35,[36]	15	11,14	13	29	23	11	13	13
	15	12	12	18	No Results	16	17	12	22
4e	No Results	13		17	18	22	23		No Results
KQEUEK	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
	15	12	12	18		16	17		22
4e		13	12	17	18		23	10	12
LELLFH	PowerPlex® Y 23								
	4e								
LMVZDD	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
4e	37	13		17	18	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 4e - YSTR Results									
LT2T8A	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
LUXAK7	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
M7LLFF	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
MEBJWN	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
MK2T98	Yfiler™								
		15	11,14	13	29	23	11	13	13
4e	15	12	12	18		16	17		
							23		12
MKM68F	Yfiler™ Plus								
4e									
NBRNVG	Yfiler™ Plus								
4e									
NLDPDC	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
NTCGGY	Yfiler™								
4e									
P7HMCX	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4e	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
PC88FE	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4e	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
PCHA2D	Yfiler™ Plus								
4e									

TABLE 2

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

Item 4e - YSTR Results

PFGMKW	Yfiler™ Plus								
4e	[REDACTED]								
PMN64H	PowerPlex® Y 23								
4e	[REDACTED]								
PU24R2	PowerPlex® Y 23								
4e	15	11,14	13	29	23	11	13	13	
	15	12	12	18	16	17		22	
		13	12	17	18	23	10	12	
PXKV44	Yfiler™								
4e	15	11,14	13	29	23	11	13	13	
	15	12	12	18	16	17		22	
						23		12	
Q488FC	Yfiler™ Plus								
4e	[REDACTED]								
QCGWTB	PowerPlex® Y 23								
4e	[REDACTED]								
QYRW39	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
RH3YKD	PowerPlex® Y 23								
4e	15	11,14	13	29	23	11	13	13	
	15	12	12	18	16	17		22	
		13	12	17	18	23	10	12	
RPKGRU	Yfiler™ Plus								
4e	[REDACTED]								
RTN4RD	PowerPlex® Y 23								
4e	15	11,14	13	29	23	11	13	13	
	15	12	12	18	16	17		22	
		13	12	17	18	23	10	12	
T3KDR8	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
TFP2FU	Yfiler™								
4e	[REDACTED]								

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 4e - YSTR Results

TXCC9N	Yfiler™								
4e	[REDACTED]								
U293BU	Yfiler™								
4e	[REDACTED]								
UGKRAF	Yfiler™ Plus								
4e	[REDACTED]								
UZR7HU	PowerPlex® Y 23								
4e	[REDACTED]								
V2396T	Yfiler™								
4e	[REDACTED]								
V7E8ME	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
V8P99C	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
VZ7Q8X	Yfiler™								
4e		15	11,14	13	29	23	11	13	13
	15	12	12	18		16	17		
							23		12
WJKPRL	Yfiler™								
4e	[REDACTED]								
WKWEY6	PowerPlex® Y 23								
4e		NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT		NT	NT		NT
		NT	NT	NT	NT		NT	NT	NT
WQZ88F	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
WUE6E3	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4e - YSTR Results

WYE8MC	PowerPlex® Y 23								
4e	[Redacted]								
YKPW8K	Yfiler™								
4e	[Redacted]								
YZYVX3	PowerPlex® Y 23								
4e	[Redacted]								
Z734VH	Yfiler™								
4e	15	12	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	23	12
ZDY6TN	Yfiler™								
4e	[Redacted]								
ZLTBQV	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
ZPRPCY	Yfiler™ Plus								
4e	[Redacted]								
ZQM6NW	Yfiler™ Plus								
4e	35,36	15	11,14	13	29	23	11	13	13
	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4sp - YSTR Results									
2HAHBL	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
2TUMMR	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
3DWVEW	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
3U2FY7	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
4D3Y2J	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
4PL6L3	Yfiler™ 23								
	N/A	15	11,[14]	ND	29	23	11	13	13
4sp	15	12	12	18	N/A	16	17	N/A	22
	N/A	13	12	17	18	N/A	23	10	12
4RQ2NH	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
634LJX	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
674UPU	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
67KQGT	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6ANLZW	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6BT9CF	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4sp - YSTR Results									
6GKE9Q	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6H2N7X	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
6HFWBR	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
79KEAN	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
79PXXQ	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
7HBYFL	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
7HFAFY	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
7QMYAX	PowerPlex® Y 23								
4sp									
7RHELU	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
7YKQHQ	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
7ZQ9E2	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
8968UX	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		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 4sp - YSTR Results									
8AEJ4M	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
8TQ9EY	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
8VEKHB	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
984ULW	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
9UYLXL	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
9Z2WQD	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
A4XX8L	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
B4G48B	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
B8X92Z	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
BPXK8F	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
BWERBE	Yfiler™ Plus								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
BZE37E	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4sp - YSTR Results

BZE7VJ	PowerPlex® Y 23								
4sp	[REDACTED]								
BZHMUG	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
C26QX9	Yfiler™ Plus								
	35,36	15	11,[14]	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
C8RDVY	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
CNJCYF	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
D3WX4Q	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
DAECNN	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
DAHWEC	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
DEPQ7M	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
DF337C	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
DKVADR	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
DRFDKU	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		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 4sp - YSTR Results									
DYYHBA	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
DZT9GN	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	[12],13		17	18	22	23		12
E4MHBM	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
E88GHQ	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
EKA3KF	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		12
ENB6TP	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
F2FPM2	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		12
F37XQB	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		12
F769MB	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		12
FG6WHE	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
FJEM9H	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
FR8UTA	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		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 4sp - YSTR Results									
GBEM9G	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
GN87P8	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
GTXFY6	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
GY7WEL	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
HRXYXR	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
JHVVTH	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
JRG7WH	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
JU28NN	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
KEPVP4	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
KQEUEK	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
LELLFH	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
LMVZDD	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4sp - YSTR Results									
LT2T8A	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
LUXAK7	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
M7LLFF	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
MEBJWN	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
MK2T98	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		12
MKM68F	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22,[24]
	37	13		17	18	22	23		12
NBRNVG	Yfiler™ Plus								
		15		13		23	11	13	13
4sp		12	12	18	29	16	17	12	22
	37			17	18	22	23		12
NLDPDC	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
NTCGGY	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		12
P7HMCX	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
PC88FE	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
PCHA2D	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	[11],12	22
	37	13		17	18	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 4sp - YSTR Results									
PFGMKW	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
PMN64H	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
PU24R2	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
PXKV44	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
Q488FC	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
QCGWTB	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
QYRW39	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
RH3YKD	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
RPKGRU	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
RTN4RD	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
T3KDR8	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
TFP2FU	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							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 4sp - YSTR Results									
TXCC9N	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
U293BU	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
UGKRAF	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
UZR7HU	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
V2396T	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
V7E8ME	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
V8P99C	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
VZ7Q8X	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
WJKPRL	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		12
							23		
WKWEY6	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
WQZ88F	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
WUE6E3	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	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 4sp - YSTR Results									
WYE8MC	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
YKPW8K	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
YZYVX3	PowerPlex® Y 23								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		22
		13	12	17	18		23	10	12
Z734VH	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
ZDY6TN	Yfiler™								
		15	11,14	13	29	23	11	13	13
4sp	15	12	12	18		16	17		
							23		12
ZLTBQV	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
ZPRPCY	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12
ZQM6NW	Yfiler™ Plus								
	35,36	15	11,14	13	29	23	11	13	13
4sp	15	12	12	18	29	16	17	12	22
	37	13		17	18	22	23		12

Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
-------	---------	--------	--------	--------	---------	----------	--------	---------	----------

No additional DNA results were reported.

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
2HAHBL	No	No	Yes	Yes	6QCPRX	No	No	Yes	Yes
2TUMMR	No	No	Yes	Yes	6Y2KKL	No	No	Yes	Yes
32HX98	No	No	Yes	Yes	79KEAN	No	No	Yes	Yes
3DWVEW	No	No	Yes	Yes	79PXXQ	No	No	Yes	Yes
3FECAL	No	No	Yes	Yes	7HBYFL	No	No	Yes	Yes
3NUXEJ	No	No	Yes	Yes	7HFAFY	No Interp	No Interp	No Interp	No Interp
3U2FY7	No	No	Yes	Yes	7J8FRJ	No	No	Yes	Yes
4D3Y2J	No	No	Yes	Yes	7M7TB3	No Interp	No Interp	No Interp	No Interp
4PL6L3	No	No	Yes	Yes	7QMYAX	No	No	Yes	Yes
4RQ2NH	No	No	Yes	Yes	7QPNFF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4UWH4Z	No Interpretations Reported, DNA Analyzed for Database purposes only.				7RHELU	No	No	Yes	Yes
634LJX	No	No	Yes	Yes	7U2X3H	No	No	Yes	Yes
674UPU	No	No	Yes	Yes	7XNB6U	No	No	Yes	Yes
67KQGT	No	No	Yes	Yes	7YKQHQ	No	No	Yes	Yes
6ANLZW	No	No	Yes	Yes	7ZQ9E2	No	No	Yes	Yes
6BT9CF	No	No	Yes	Yes	8968UX	No	No	Yes	Inc
6BXQEK	No	No	Yes	Yes	8ABYFK	No	No	Yes	Yes
6GKE9Q	No	No	Yes	Yes	8AEJ4M	No	No	Yes	Yes
6H2N7X	No	No	Yes	Yes	8ENKM7	No Interp	No Interp	No Interp	No Interp
6HFWBR	No	No	Yes	Yes	8KYNJY	No Interp	No Interp	No Interp	No Interp

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
8TQ9EY	No	No	Yes	Yes	BZE37E	No	No	Yes	Yes
8VEKHB	No	No	Yes	Yes	BZE7VJ	No	No	Yes	Yes
8W8DDU	No	No	Yes	Yes	BZHMUG	No	No	Yes	Yes
984ULW	No	No	Yes	Yes	C26QX9	No	No	Yes	Inc
9CYNJX	No Interp	No Interp	No Interp	No Interp	C4C4HV	No	No	Yes	Yes
9GP6PW	No Interpretations Reported, DNA Analyzed for Database purposes only.				C8RDVY	No	No	Yes	Yes
9MH67C	No	No	Yes	Yes	CHTYD	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9QFTHD	No	No	Yes	Yes	CLUXGW	No	No	Yes	Yes
9T36LP	No	No	Yes	Yes	CNJCYF	No	No	Yes	Yes
9UYLXL	No	No	Yes	Yes	CTVACU	No	No	Yes	Yes
9W4VVG	No	No	Yes	Yes	CURPPQ	No	No	Yes	Yes
9Z2WQD	No	No	Yes	Yes	D2ZQDY	No	No	Yes	Yes
A4XX8L	No	No	Yes	Yes	D3WX4Q	No	No	Yes	Yes
A9JD7T	No	No	Yes	Yes	D7GVCU	No	No	Yes	Yes
A9UPDW	No	No	Yes	Yes	DAECNN	No	No	Yes	Yes
AQYU6F	No	No	Yes	Yes	DAHWEC	No	No	Yes	Yes
B4G48B	No	No	Yes	Yes	DBQATT	No	No	Yes	Yes
B8X92Z	No	No	Yes	Yes	DEPQ7M	No	No	Yes	Yes
BPXK8F	No	No	Yes	Yes	DF337C	No	No	Yes	Yes
BVJCYH	No	No	Yes	Yes	DKVADR	No	No	Yes	Yes
BWERBE	No	No	Yes	Yes	DRFDKU	No	No	Yes	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
DYYHBA	No	No	Yes	Yes	GBEM9G	No	No	Yes	Yes
DZT9GN	No	No	Yes	Yes	GN87P8	No	No	Yes	Yes
E3QCJV	No	No	Yes	Yes	GTXFY6	No	No	Yes	Yes
E4MHBM	No	No	Yes	Yes	GY7WEL	No	No	Yes	Yes
E88GHQ	No	No	Yes	Yes	H6PL79	No	No	Yes	Yes
EH782C	No	No	Yes	Yes	HPU4EP	No	No	Yes	Yes
EKA3KF	No	No	Yes	Yes	HRXYXR	No	No	Yes	Yes
ENB6TP	No	No	Yes	Yes	HRYW9N	No	No	Yes	Yes
ETQE7T		No Interp		No Interp	HTTHYU	No Interp	No Interp	No Interp	No Interp
EWM67D	No	No	Yes	Yes	HVZZXP	No	No	Yes	Yes
F2FPM2	No	No	Yes	Yes	J3E9W7	No	No	Yes	Yes
F37XQB	No	No	Yes	Yes	JGYN3Q	No	No	Yes	Yes
F3AFTG	No	No	Yes	Yes	JHWTH	No	No	Yes	Yes
F769MB	No	No	Yes	Yes	JKEU2L	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FEXGAM	No	No	Yes	Yes	JKXYXQ	No	No	Yes	Yes
FG6WHE	No	No	Yes	Yes	JNE6WL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FGB4TM	No	No	Yes	Yes	JRG7WH	No	No	Yes	Yes
FJEM9H	No	No	Yes	Yes	JU28NN	No	No	Yes	Yes
FR8UTA	No	No	Yes	Yes	K87TH2	No	No	Yes	Yes
FWH9B8	No	No	Yes	Yes	KAWPDM	No Interp	No Interp	No Interp	No Interp
FXB27Q	No	No	Yes	Yes	KEPVP4	No	No	Yes	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
KKR367	No	No	Yes	Yes	NLDPDC	No	No	Yes	Yes
KQEUEK	No	No	Yes	Yes	NPB7P7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KXYXJ2	No	No	Yes	Yes	NTCGGY	No	No	Yes	Yes
L2WPKD					NZVH2H	No	No	Yes	Yes
L39B2Z	No	No	Yes	Yes	NZVH44	No	No	Yes	Yes
LELLFH	No	No	Yes	Yes	P2K9MM	No Interp	No Interp	No Interp	No Interp
LMVZDD	No	No	Yes	Yes	P7HMCX	No	No	Yes	Yes
LN8Y8M	No	No	Yes	Yes	P8Q3GJ	No	No	Yes	Yes
LT2T8A	No	No	Yes	Yes	PC88FE	No	No	Yes	Yes
LUTRH2	No	No	Yes	Yes	PCHA2D	No	No	Yes	Yes
LUXAK7	No	No	Yes	Yes	PF263J	No	No	Yes	Yes
M6Q74J		No Interp		No Interp	PFGMKW	No	No	Yes	Yes
M7LLFF	No Interp	No	No Interp	No Interp	PMN64H	No	No	Yes	Yes
MEBJWN	No	No	Yes	Yes	PU24R2	No	No	Yes	Yes
MK2T98	No	No	Yes	Yes	PW6X9J	No	No	Yes	Yes
MKM68F	No	No	Yes	Yes	PXKV44	No	No	Yes	Yes
MWGEZG	No	No	Yes	Yes	Q3BR4E	No	No	Yes	Yes
N2Q4TN	No Interp	No Interp	No Interp	No Interp	Q488FC	No	No	Yes	Yes
NBRNVG	No	No	Yes	Yes	Q899HU	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NCQQKL	No	No	Yes	Yes	QCGWTB	No	No	Yes	Yes
NKHA2E	No	No	Yes	Yes	QRRD3X	No	No	Yes	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
QXX7WT	No Interpretations Reported, DNA Analyzed for Database purposes only.				W4NART	No	No	Yes	Yes
QYRW39	No	No	Yes	Yes	WJKPRL	No	No	Yes	Yes
R8ZQUF	No	No	Yes	Yes	WKWEY6	No	No	Yes	Yes
RH3YKD	No	No	Yes	Yes	WMFFVC	No	No	Yes	Yes
RPKGRU	No	No	Yes	Yes	WMGD79	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RTN4RD	No	No	Yes	Yes	WQZ88F	No	No	Yes	Yes
T2RMLT	No Interpretations Reported, DNA Analyzed for Database purposes only.				WUE6E3	No	No	Yes	Yes
T3KDR8	No	No	Yes	Yes	WXXP6	No	No	Yes	Yes
TFP2FU	No	No	Yes	Yes	WXXZF9	No	No	Yes	Yes
TN9TE9	No	No	Yes	Yes	WYE8MC	No	No	Yes	Yes
TXCC9N	No	No	Yes	Yes	X4MWJQ	No	No	Yes	Yes
U293BU	No	No	Yes	Yes	X8HQCK	No	No	Yes	Yes
UDG7BH	No Interp	No Interp	No Interp	No Interp	XAN9FM	No	No	Yes	Yes
UFP98E	No	No	Yes	Yes	XEKZJD	No Interp	No Interp	No Interp	No Interp
UGKRAF	No	No	Yes	Yes	XG8CMP	No	No	Yes	Yes
UHWBAD	No	No	Yes	Yes	XV4QKX	No	No	Yes	Yes
UZR7HU	No	No	Yes	Yes	XYNHWZ	No	No	Yes	Yes
V2396T	No	No	Yes	Yes	YKPW8K	No	No	Yes	Yes
V7E8ME	No	No	Yes	Yes	YZYVX3	No	No	Yes	Yes
V8P99C	No	No	Yes	Yes	Z734VH	No	No	Yes	Yes
VZ7Q8X	No	No	Yes	Yes	ZDY6TN	No	No	Yes	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
ZLTBQV	No	No	Yes	Yes					
ZPRPCY	No	No	Yes	Yes					
ZQM6NW	No	No	Yes	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 211		
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		0	0	185	183
No		185	186	0	0
Inc		0	0	0	2
No Interpretation		12	13	12	14
No Response		3	1	3	1

Participants analyzing DNA for database purposes only: 11

Additional Comments

TABLE 5

WebCode	Additional Comments
2TUMMR	Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 1 were also extracted using chelex method for YSTR analysis. -Item 3 and Item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP platform. Quantitation: -Item 1 (from chelex extraction), Item 3 and Item 4 were quantified using Quantifiler Trio Kit via QuantStudio5 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 Kit on 9700 GeneAmp PCR System. -Item 1 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -Electrophoresis for Globalfiler Express PCR products of Item 1 and Item 2, Globalfiler PCR products of Item 3 and Item 4 and YFiler PCR products of Item 1 and Item 4 were carried out using Genetic Analyzer 3500xl. Quality Control: -Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM- Non-male profile.
32HX98	Item 4 yielded very low concentrations of DNA in the epithelial fraction. Additional extractions did not improve DNA yield. Item 4e did not provide a complete profile for reporting.
3DWVEW	Item 4 - 11 allele dropped out at D7S820 in e-cell fraction of sample, not a typo in entry.
3FECAL	Authorized in STRs; not authorized in Y-STRs.
3U2FY7	NR = no results
4PL6L3	ND = No alleles detected. N/A = loci not in kit. INC = allele below stochastic. A portion of the extract from Item 3A was tested for the presence of human blood using the HemaTrace test. Human blood was detected on Item 3A. Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates.
4RQ2NH	NR=no reaction
4UWH4Z	NR= No Results. No comparisons performed.
67KQGT	Elevated stutter at D1S1656 for item 3. Left in export file as the peak was also exported to STRmix.
6ANLZW	I consumed the stain for item 4 and observed very little non-sperm DNA at quantitation. There was enough non-sperm DNA in the sperm fraction to include the suspect on item 4; however, there was insufficient DNA in the non-sperm fraction to observe a full Globalfiler profile. I also observed that the physical stain on item 4 was smaller than typical stains I've seen from CTS tests in the past. I previously performed a pre-distribution test from which I also obtained very little non-sperm DNA in item 4 after multiple extraction attempts.
6BXQEK	Authorized in STRs. Not authorized in YSTRs.
6GKE9Q	NR=no results. STRmix analysis was conducted on Item 4e. Data reported out is from analysis using Genemapper ID-X. Item 1 has a minor peak present in locus DYS393. This peak is in N+4 position but significantly higher than the N+4 cutoff (21% vs. 4.58%). This was confirmed by reamplification (peak at 15%) and the peak was reported. There is no indication of a mixture.
6HFWBR	1. Extraction: 1.1: Item 1 and Item 2 were extracted using in-situ method. 1.2: Item 1 for Yfiler analysis was extracted using chelex extraction method. 1.3: Bloodstains extraction on Item 3 and differential extraction on Item 4 were carried out using DNA Investigator Kit via QIAAsymphony. 2. Quantification: Item 1 (Yfiler), Item 3 and Item 4 were quantified using Quantifiler Trio on QS5 RT PCR. 3. Amplification on 9700 GeneAmp PCR System and Proflex PCR System (GlobalFiler Express): 3.1: Item 1 and Item 2 were amplified using GlobalFiler Express PCR amplification Kit. 3.2: Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit. 3.3: Item 1 and Item 4 were amplified using YFiler PCR Amplification Kit. 4. Electrophoresis were carried out on Genetic Analyzer 3500xL. 5. Quality Control: Reagent blank, positive and negative controls were incorporated through out analysis and all generated intended results. 6. NM indicate non-male profile.

TABLE 5

WebCode	Additional Comments
6Y2KKL	Y-STR not performed. Not authorized in Y-STRs.
79KEAN	<p>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. Differential extraction methods was used extract DNA from Item 4. 2. Quantification: DNA quantification for Item 3 and Item 4 was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystem QuantStudio 5 Real Time PCR System. 3. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1 and Item 2 using the Globalfiler Express PCR Amplification Kit on the ProFlex PCR System, while on Item 3 and Item 4 using the Globalfiler PCR Amplification Kit on the ProFlex PCR System. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1, Item 3 and Item 4 using the AmpFISTR Y-Filer PCR Amplification Kit on the ProFlex PCR System. 4. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. 6. 'NM' denotes non-male profile.</p>
7HBYFL	<p>Extraction: Item 1 and Item 2 were extracted using the in-situ extraction method. Item 3 was extracted using the Automate Express Forensic DNA Extraction System with Prefiler Express Kit method and Item 4 was extracted using the differential extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Trio DNA Quantification kit on the Applied Biosystem QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification kit on the 9700 GeneAmp PCR System while Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 1 and Item 4 using the AmpFISTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. Abbreviation: NM: Non-male profile.</p>
7HFAFY	NR = No Results. No comparisons performed.
7J8FRJ	Authorized in STRs. Not authorized in YSTRs.
7M7TB3	Test participant functions as a Y-screen analyst and does not perform interpretations.
7QPNFF	Casework reference analyst; not authorized to process evidence items. Items 3 and 4 not processed. Not authorized to perform Y-STR testing.
7RHELU	Allele tables automatically uploaded.
7U2X3H	<p>Item 4: Tween 80 was used for the differential extraction. A sufficient amount of DNA was obtained from the SP (E2) fraction; however, a very unexpected low-level of DNA was obtained from the NS (E1) fraction. I consumed the remaining portion of item 4 and performed the differential extraction using SEB and obtained acceptable results from both fractions. The fabric may possibly have an inhibiting factor (ie: waterproof material, sprayed w/chemicals, etc) that may be preventing the Tween 80 from being able to digest the sample properly.</p>
7XNB6U	Had to consume entire stain for item 4 to obtain complete DNA results in epi fraction.
7YKQHQ	<p>Items 1, 2, 3 and 4 were analyzed using PowerPlex Fusion. Items 1 and 4 were analyzed using Yfiler Plus. Items 1 and 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridges. Item 3 was also analyzed using GlobalFiler Express on RapidHIT ID using an INTELPlus sample cartridge. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test. NR = No Results.</p>

TABLE 5

WebCode	Additional Comments
7ZQ9E2	STRmix analysis was conducted on this test.
8968UX	INC = Inconclusive. ND = None Detected.
8ABYFK	Authorized in STRs. Not authorized in Y-STRs.
8AEJ4M	NR = no results; STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
8ENKM7	Test participant functions as a Y-screen analyst and does not perform interpretations.
8KYNJY	PowerPlex Fusion 6C sample processing was conducted on Item 3 and Item 4. Autosomal analysis and interpretation were not conducted. Therefore, no comparison to evidence was made. A differential extraction was performed on Item 4. Modified Rapid DNA Analysis was conducted on Item 2 with RapidHIT ID. No comparison to evidence was made. NID = No Interpretable Data.
984ULW	NR - No Results
9CYNJX	NR = No Results. No comparisons performed.
9MH67C	Authorized in STRs only. Not authorized in YSTRs.
9T36LP	Three separate differential extractions were performed on cuttings taken from Item 4. Two were performed on the first sample set the laboratory received and one was performed on a second sample set requested by the laboratory due to the results obtained from the first sample set. Little to no DNA was obtained in the epithelial fractions for all three differential extractions performed on Item 4 from the first and second sample sets. There may be a possible interfering substance in the fabric used for Item 4 that prevented a complete recovery of the epithelial cell portion. The laboratory uses the Erase kit from PTC for performing differential extractions. Therefore, the laboratory chose to perform a cell extraction (non-differential extraction) on Item 4 and report the mixture results obtained.
9UYLXL	Extraction: Item 3 was extracted using Automated ABI PrepFiler Express. Item 4 was extracted using Organic extraction method. Quantification: Item 3 and Item 4 were quantified using the Quant Trio DNA Quantitation kit and carried out by QuantStudio 5 Real-Time PCR. Amplification: Using the in-situ method, Item 1 and Item 2 were amplified using GlobalFiler Express Kit on 9700 GeneAmp PCR system. Item 3 and Item 4 were amplified using GlobalFiler Kit on 9700 GeneAmp PCR System. Item 1 and Item 4 were amplified using AMPFISTR YFiler Kit on 9700 GeneAmp PCR system. Electrophoresis: The electrophoresis was carried out by Genetic Analyser 3500xl and the data were analyzer with GeneMapper ID-X software. Quality Control: Reagent blank, positive control, and negative control were carried out along with the analysis and all gave the intended results. *NM denotes non-male profile.
A4XX8L	Note: 1) NR = No Results. 2) Interpretation was based on the data from GeneMapper ID-X. 3) STRmix analysis was performed on Item 4e.
A9JD7T	[Name] performed Y-screen, extraction, quantitation, amplification, and CE. The Y-screen results for item 4 was positive for male DNA. [Name] performed DNA interpretation.
AQYU6F	Authorized in STRs. Not authorized in YSTRs.
BZE7VJ	NGMSELECT AUTOSOMAL WORK: LOTS OF PULL UP, SOME ARTEFACT PEAKS INCLUDING RAISE BASELINE, REMOVED PRIOR TO COMPARISONS AS NON-ALLELIC. FOR ITEM 4, Y-STR PROFILING WAS ONLY CARRIED OUT ON THE EPITHELIAL FRACTION.

TABLE 5

WebCode	Additional Comments
BZHMUG	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and item 4 were extracted using QIA Symphony DNA Investigator Kit via QIA Symphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 1 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler) and Item 1 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.
C4C4HV	A differential separation was done on item 3 due to lab flow. Q1.3.1s was stopped at quant due to insufficient DNA being detected, therefore, no further testing was conducted. STRmix analysis was conducted on this test.
CHTYD	Databasing only; Not authorized to process and report evidence, serology or mito samples.
CTVACU	ND = Not Detected. Insufficient information was obtained for the epithelial cell fraction of Item 4. This sample was not interpreted.
D3WX4Q	NR = No results
DAHWE	[] = Minor alleles in mixture.
DEPQ7M	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 1 at locus DYS393 – There is a minor allele 16, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N+1 stutter position, is 21.79%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter.
DKVADR	Y-STR profile from item 1-3.1 was insufficient for comparison. NR = No Results.
DRFDKU	NR = No Result
DZT9GN	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification Item 4 at locus DYS533 – There is a minor allele 12, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N-1 stutter position, is 12.9%, exceeding the Laboratory's stutter threshold for this locus of 12.19%. This allele is likely to be an elevated stutter.
E3QCJV	STRmix analysis was conducted on this test.
E4MHBM	Item 2 - Direct Amp.
EH782C	Y-STR not performed; not authorized in Y-STRs.
EKA3KF	Extraction: Item 3 was extracted using the Chelex extraction method. Item 4 was extracted using the Organic extraction method. Quantification: Item 3 and Item 4 were quantified using the Applied Biosystems™ Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System. Amplification: Using the in-situ method, Item 1 and Item 2 were amplified using the Applied Biosystems™ GlobalFiler™ Express PCR Amplification Kit on the Applied Biosystems™ ProFlex™ 96-well PCR System. Item 1 was also amplified using the Applied Biosystems™ AmpFLSTR™ YFiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the Applied Biosystems™ GlobalFiler™ and AmpFLSTR™ YFiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed with Applied Biosystems™ GeneMapper™ ID-X Software v1.5. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results. Remark: 'NM' denotes non-male profile.
ENB6TP	NR = No results

TABLE 5

WebCode	Additional Comments
EWM67D	Authorized in STRs. Not authorized in YSTRs. YSTR not performed.
FG6WHE	NR=No results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
FWH9B8	Y-STR not performed. Not authorized in YSTRs.
GBEM9G	NR = No results. STRmix analysis was conducted on Item 4. All reported data is from GeneMapper ID-X analysis.
GY7WEL	ND = no data. INC = inconclusive.
H6PL79	Authorized in STRs. Not authorized in YSTRs.
HTTHYU	Test participant functions as a Y-screen analyst and does not perform interpretations.
HVZZXP	STRmix analysis was conducted on this test.
JGYN3Q	STRmix analysis was conducted on this test.
JHWVTH	ND = No Data. Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates.
JKXYXQ	STRmix analysis was conducted on this test.
JNE6WL	NR = no results
JU28NN	NR= No Result
KAWPDM	Differential extraction conducted on Item 4 based on case scenario and serology provided. General extraction conducted on item 3 based on case scenario and serology provided. Powerplex Fusion 6C sample processing conducted on item 1, item 2, item 3, and item 4. GlobalFiler Express processing was conducted on item 1. Autosomal analysis and interpretation were not conducted on item 3 and item 4. No comparisons to evidence were made. NID = No Interpretable Data.
KEPVP4	For Item 4, Y-STR results for 4e at DYF387S1 do not indicate a mixture but imbalance between the alleles.
KKR367	Not authorized in Y-STRs. Authorized in STRs.
L2WPKD	NR = No Results. No comparisons performed.
LELLFH	NR = no result
LN8Y8M	STRmix analysis was conducted on this test. A differential separation was performed on item 3 (Q1.3.1) due to laboratory flow. Sample Q1.3.1s stopped at quant due to insufficient human DNA.
LT2T8A	NR indicates no results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
LUXAK7	Item 3 contained an imbalanced allele at D2S1338. Sample is single source.

TABLE 5

WebCode	Additional Comments
MK2T98	Extraction: -Item 1 and Item 2 were extracted using the in situ method. -Item 3 and Item 4(bloodstain) were extracted using the Automate Express DNA Extraction System with the PrepFiler Express Kit. -Item 4 was extracted using the Chelex differential extraction method. Quantification: -Item 3, Item 4(bs), Item 4(sp) and Item 4(epi) were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR. Amplification: -Item 1 and Item 2 were amplified using the GlobalFiler Express Amplification kit. -Item 3, Item 4(bs), Item 4(sp) and Item 4(epi) were amplified using the GlobalFiler Amplification kit. -Item 1, Item 3, Item 4(sp) and Item 4(epi) were amplified using the AmpFLSTR™ Yfiler™ PCR Amplification Kit. -All amplifications were performed on the ProFlex PCR System. Electrophoresis: All amplified products of GlobalFiler and Y-Filer were run on the Genetic Analyzer 3500. Quality Control: All reagent blanks, positive controls, and negative controls were carried out throughout the analysis, and all gave the intended results. Remarks: - NM: Non-male profile.
MKM68F	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 1 at locus DYS570 (YSTR) – There is a minor allele 20, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N-1 stutter position, is 15.96%, exceeding the Laboratory's stutter threshold for this locus of 15.65%. This allele is likely to be an elevated stutter. Item 1 at locus DYS393 (YSTR) – There is a minor allele 16, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N+1 stutter position, is 8.00%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter. Item 4 sp at locus DYS481 (YSTR) – There is a minor allele 24, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele to the major allele is 2.49%.
MWGEZG	Yscreen was performed on Item 4 and was positive for male DNA. [Name] performed evidence examination through CE (lab work) and [Name] performed data interpretation.
N2Q4TN	Test participant functions as a Y-screen analyst and does not perform interpretations.
NBRNVG	Y-STR not performed on Item 3 because it gave no T.Y value with Quantifiler Trio.
NCQQKL	Item 4 (A1-4) yielded low quant for epi portion of sample. Incomplete profile obtained. Re-extraction attempted and did not result in higher yield.
NKHA2E	The E fraction of Item 4 gave a small autosomal quant value of 0.0005ng/uL using Quantifiler Trio kit. "N.R." means "no result".
NPB7P7	Databasing only; not authorized to process/report evidence samples.
NZVH44	Authorized in STRs.
P2K9MM	Test participant functions as a Y-screen analyst and does not perform interpretations.
P7HMCX	N/A. Item 1: Imbalanced observed at D2S1338.
P8Q3GJ	STRmix analysis was conducted on this test.
PC88FE	NR=NO RESULTS. E fraction for Item 4 yielded a small autosomal quant value of 0.0015 ng/ul and a Y quant value of 0.0008 ng/ul. Yplus was performed on Item 3 due to it yielding a Y quant value of 0.0002 ng/ul
PCHA2D	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 4 sp at locus DYS460 - There is a minor allele 11, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N-1 stutter position, is 19.30%, exceeding the Laboratory's stutter threshold for this locus of 12.13%. The minor allele 11 is likely to be an elevated stutter.
PF263J	STRmix analysis was conducted on this test.
PMN64H	NR = No results

TABLE 5

WebCode	Additional Comments
PXKV44	Extraction : Item 1 and Item 2 were extracted using in situ. Item 3 and Item 4 were extracted using DNA Investigator Kit via QIASymphony SP. Quantification : Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantitation Kit on RT-PCR QuantStudio 5 system. Amplifications : -Item 1 and Item 2 were amplified using the GlobalFiler Express PCR Amplification kit on the Proflex PCR System. -Item 3 and Item 4 were amplified using the GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. -Item 1 and Item 4 were also amplified using AmpFISTR YFiler kit on 9700 GeneAmp PCR System. Electrophoresis : - Electrophoresis of GlobalFiler Express for Item 1 and Item 2. - Electrophoresis of GlobalFiler for Item 3 and Item 4. - Y-Filer for Item 1 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control : Reagent Blank, Positive Control and Negative Control were incorporated throughout the analysis and all gave the intended results. NM: non-male profile.
Q488FC	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 1 at locus DYS393 - There is a minor allele 16, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N+1 stutter position, is 6.91%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter.
Q899HU	Authorized to report Rapid DNA (STRs). Not authorized in reporting Y-STRs or evidence samples. Items 3 and 4 not processed.
QRRD3X	Not authorized in Y-STR.
QXX7WT	Casework reference analyst (Rapid DNA); not authorized to process/report evidence samples or to report conclusions. Item 3 and Item 4 not processed.
RTN4RD	NR = No results
T2RMLT	Casework reference analyst; not authorized to report conclusions. Authorized in STRs. Not authorized in YSTRs. Item 3 and 4 not processed further.
TXCC9N	F6C=Fusion 6C
UDG7BH	Test participant functions as a Y-screen analyst and does not perform interpretations.
UZR7HU	YSTR testing only done on the SP fraction of item 4, not the E fraction.
VZ7Q8X	Extraction: Item 1 and Item 2 were extracted using in-situ extraction method while 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 while Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 1 and Item 4 using AmFISTR YFiler kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler Express for Item 1 and Item 2, GlobalFiler for Item 3 and Item 4, and YFiler for Item 1 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
W4NART	Authorized in STRs. Not authorized in YSTRs.
WKWEY6	NT = not tested. A portion of the extract from Items 3 and 4 were tested for the presence of human blood using the HemaTrace test. Human blood WAS detected on these items. NOTE: The ABACard HemaTrace test kit is known to cross-react with some species of the Mustelidae family and with higher primates.
WYE8MC	NR=No Results
X4MWJQ	Authorized in STRs. Y-STR not performed; not authorized in Y-STRs. Known item 2: D8S1179 is imbalanced.
XAN9FM	Authorized in STRs. Not authorized in YSTRs.

TABLE 5

WebCode	Additional Comments
XEKZJD	Test participant functions as a Y-screen analyst and does not perform interpretations.
XG8CMP	Authorized in STRs. Not authorized in YSTRs.
YZYVX3	Hematrace on Item 4. QIAamp Ext on 3. Differential/QIAamp Ext on 4. Maxwell Ext on 1 and 2. PowerQuant 4A-Ep, 4A-Sp, and 3. RotorGene 1 and 2. Fusion 1, 2, 3, 4A-Ep, 4A-Sp. Y23 on 1 and 4A-Sp. RMP on 3 and 2. RMP on 4A-Ep and 2. ND = No Data.
ZLTBQV	NR=No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
ZPRPCY	Sample Item 1 at locus DYS393 - there is a minor allele 16 which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele which is in n+1 stutter position is 6.45%, exceeding the laboratory threshold for this locus of 6.37%. This allele is likely to be an elevated stutter. Results are entered only for Globalfiler loci as casework reporting is on Globalfiler loci. PowerPlex Fusion 6C is used only for allele verification.
ZQM6NW	STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X. NR = No Results.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 26-5802: DNA-Semen

DATA MUST BE SUBMITTED BY **May 04, 2026, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: MVML8H

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

Scenario:

Police are investigating a sexual assault involving a male victim and female suspect. The victim stated that he had drinks with the suspect at a restaurant near her apartment and began to feel ill. After returning to her apartment, he lost consciousness and awoke several hours later partially unclothed next to the suspect in her bed. Police are submitting to your laboratory a stain from the shirt the victim was wearing at the time of the assault (Item 3) and a stain from the suspect's bedsheet (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (victim's shirt) indicated the presence of blood, and Item 4 (suspect's bedsheet) indicated the presence of blood and semen. Also collected were known blood samples from the male victim (Item 1) and the female suspect (Item 2).

Items Submitted (Sample Pack S2):

Item 1: Known blood from the male victim

Item 2: Known blood from the female suspect

Item 3: Questioned blood stain from victim's shirt (pink)

Item 4: Questioned blood and semen stain from suspect's bedsheet (blue)

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

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

STR Amplification Kit(s) Used:

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

Identifiler®
 GlobalFiler™
 Investigator® 24plex

 PowerPlex®
 Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in Default order.

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2						

Part 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.

Note: Please use appropriate punctuation to indicate the end of sentences, sections, and statements in the free-form space below. Extra spacing and returns used for separation within your text will not transfer and may cause your information to be illegible in the Summary Report. The use of lists and tabular formats to deliver information is also cautioned against, as these do not transfer.

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)