



## **DNA-Blood Test No. 22-5805**

### **Summary Report**

---

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 185 participants and are compiled into the following tables:

<b>Report Contents:</b>	<b>Page</b>
<a href="#"><u>Manufacturer's Information</u></a>	<a href="#"><u>2</u></a>
<a href="#"><u>Summary Comments</u></a>	<a href="#"><u>4</u></a>
<a href="#"><u>Table 1: STR Amplification Kit(s) &amp; Results</u></a>	<a href="#"><u>5</u></a>
<a href="#"><u>Table 2: YSTR Amplification Kit(s) &amp; Results</u></a>	<a href="#"><u>103</u></a>
<a href="#"><u>Table 3: Additional DNA Results</u></a>	<a href="#"><u>124</u></a>
<a href="#"><u>Table 4: DNA Interpretations</u></a>	<a href="#"><u>125</u></a>
<a href="#"><u>Table 5: Additional Comments</u></a>	<a href="#"><u>131</u></a>
<a href="#"><u>Appendix: Data Sheet</u></a>	

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

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

## **Manufacturer's Information**

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

SAMPLE PREPARATION: The stains in Items 1, 2, 3 and 4 were prepared from human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Item 1 (75  $\mu$ l) was created using blood from a female donor. Item 2 (75  $\mu$ l), Item 3 (50  $\mu$ l), and Item 4 (50  $\mu$ l) were created using blood collected from the same male donor. Completed sample sets were stored at -20°C until shipment on September 07, 2022 following completion of verification stage.

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

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent allelic results and confirmed the manufacturer's expected associations.

## 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	
<hr style="border-top: 1px dashed #000;"/>						
1	14,16	19,22	11,14	15,16	11,12	*
	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NM	NM	NM	NM	
<hr style="border-top: 1px dashed #000;"/>						
2	15,17.3	17,24	10,15	16,17	11,12	*
	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16	2	
<hr style="border-top: 1px dashed #000;"/>						
3	15,17.3	17,24	10,15	16,17	11,12	*
	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16	2	
<hr style="border-top: 1px dashed #000;"/>						
4	15,17.3	17,24	10,15	16,17	11,12	*
	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16	2	

### YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<hr style="border-top: 1px dashed #000;"/>									
2	35,37	14	11,14	13	29	23	11	13	13
	15	12	11	19	28	17	18	11	22
	37	12	*	18	16	22	24	*	11
<hr style="border-top: 1px dashed #000;"/>									
3	35,37	14	11,14	13	29	23	11	13	13
	15	12	11	19	28	17	18	11	22
	37	12	*	18	16	22	24	*	11
<hr style="border-top: 1px dashed #000;"/>									
4	35,37	14	11,14	13	29	23	11	13	13
	15	12	11	19	28	17	18	11	22
	37	12	*	18	16	22	24	*	11

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

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

## **Summary Comments**

The 22-5805 DNA-Blood test is part of the DNA Sample Specific Series, where participants are advised of the body fluid(s) that made up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was created using blood from a female donor. Item 2, Item 3, and Item 4 were created using blood collected from the same male donor. (See Manufacturer's Information for preparation details)

Of the 185 participants that returned results, 146 reported DNA interpretations. Thirty-nine participants stated that the samples were analyzed for database purposes only.

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

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

A total of 34 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items.

# 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

27M6E7	GlobalFiler™ Express	14,16	19,22	11,14	15,16	11,12	
1		7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24			27.2,29.2	6,7	8,9
		16,18	F,F			F,F	
<hr/>							
28KQQM	PowerPlex® Fusion 5C, GlobalFiler™ Express	14,16	19,22	11,14	15,16	11,12	
1		7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24	13,13	14,17	27.2,29.2	6,7	8,9
		16,18	No Results				
<hr/>							
29BGFX	PowerPlex® Fusion 6C	14,16	19,22	11,14	15,16	11,12	
1		7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24	13,13	14,17	27.2,29.2	6,7	8,9
		16,18					
<hr/>							
2KAK3G	GlobalFiler™	14,16	19,22	11,14	15,16	11,12	
1		7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24			27.2,29.2	6,7	8,9
		16,18	No Results			No Results	
<hr/>							
2PGWJD	PowerPlex® Fusion 6C	14,16	19,22	11,14	15,16	11,12	
1		7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24	13,13	14,17	27.2,29.2	6,7	8,9
		16,18	NR	NR	NR		
<hr/>							
2PW3WG	GlobalFiler™	14,16	19,22	11,14	15,16	11,12	
1		7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X	9,11
		22,24			27.2,29.2	6,7	8,9
		16,18					

TABLE 1

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

## Item 1 - STR Results

2V27KU	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
2XPD9X	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
32UV2N	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18					
3AHCGF	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
3BCZZB	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
3BFYAN	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
3HAW2	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	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 1 - STR Results

3KKGMB	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	NM			NM	
3WC4T7	PowerPlex® Fusion 6C (STRmix)					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
3ZWHKM	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	No Results			No Results	
44QDDK	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
4EC3EF	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
4GWF49	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
4L8B3Q	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

Item 1 - STR Results

4MHCNP	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
4NFMJR	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
4YL3MF	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18					
4YWLEN	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
6ANKCJ	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
6P7BD8	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	-
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	-	-	27.2,29.2	6,7	8,9
	16,18	-	-	-	-	
6UHAT8	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					



TABLE 1

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

## Item 1 - STR Results

6WYM7F	PowerPlex® Fusión 6c (LRmixStudio)					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18					
6ZMXM9	Identifiler® Direct					
		19,22		15,16	11,12	
1	7,12	10,14			9,11	10,13
	12,15	13,16	29,34.2		X,X	9,11
	22,24				6,7	8,9
	16,18					
76A3U3	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
7B8Y2J	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
7GLGVF	GlobalFiler™ (mRMP by Familias3)					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
7HWCEM	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
7KNBTK	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

7NULX2	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
7P293T	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
7T46U9	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18					
7XFZTQ	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
87M7P7	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
8C8E7P	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18					
8U94HM	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NA				

TABLE 1

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

8YJ6PC	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
9BCVZH	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
9DHFRN	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
9GCGMC	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18					
9K2LKP	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
9NJWLZ	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
9PDK4V	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

9TTZNV	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	NM			NM	
A7J4FR	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
A9KE2U	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				
AAE8WD	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
ABCK4F	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	No Results			No Results	
ABFA8D	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18				No Results	
AECVYF	PowerPlex® Fusion 5 C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	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 1 - STR Results

AH6KZJ	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
AP4AE3	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
AVZR2U	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
AXLH3Y	Investigator® 24plex GO					
	14,16	19,22	11,14	15,16	11,12	N/A
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	N/A	N/A	27.2,29.2	6,7	8,9
	16,18		N/A	N/A	N/A	
B3BBYY	FlexPlex					
	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24		14,17	27.2,29.2	6,7	8,9
	16,18					
BDADRU	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				
BLMAVF	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

BY8RNJ	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	NR			NR	
CB27HE	Identifiler® Plus					
		19,22		15,16	11,12	
1	7,12	10,14			9,11	10,13
	12,15	13,16	29,34.2		XX	9,11
	22,24				6,7	8,9
	16,18					
CFXZ84	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
CJUVNG	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
CXAWHM	Investigator® 24plex QS					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
D6VYAP	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
D7PR69	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

E49ZKQ	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
E4UL2M	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
EG629T	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
EKJL6F	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
ELRTBE	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
ELVFNM	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
EMP48H	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

EVLWNN	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
EXNY6D	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
EZVA6M	FlexPlex 27					
	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24		14,17	27.2,29.2	6,7	8,9
	16,18					
F3C7ZQ	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				
F4NLR7	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
FZNAW8	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
G2W4TH	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					



TABLE 1

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

## Item 1 - STR Results

G9HQ8W	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
GHHPA3	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
GHQMRT	FlexPlex 27					
	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24		14,17	27.2,29.2	6,7	8,9
	16,18					
GZ2KNB	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
HCYRB8	PowerPlex® 21					
	14,16	19,22		15,16	11,12	11,12
1	7,12	10,14		17,19	9,11	10,13
	12,15	13,16	29,34.2		XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18					
HFX488	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
HJX6M4	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

HQFABY	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	No Results	No Results	No Results		
HRQGGC	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
J42LM9	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
JHGC2Z	GlobalFiler™ (STRmix)					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
K26FZD	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18					
K8UXDN	Investigator® 24plex QS					
	14,16	19,22	11,14	15,16	11,12	n/a
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	n/a	n/a	27.2,29.2	6,7	8,9
	16,18	n/a	n/a	n/a	n/a	
KALPU2	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

KEBD4D	GlobalFiler™						
		14,16	19,22	11,14	15,16	11,12	
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24			27.2,29.2	6,7	8,9
	16,18	--			--		
KEQRBM	PowerPlex® Fusion						
		14,16	19,22	11,14	15,16	11,12	
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X	9,11
		22,24	13	14,17		6,7	8,9
	16,18	NR					
L3CWU3	GlobalFiler™ Express						
		14,16	19,22	11,14	15,16	11,12	
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X	9,11
		22,24			27.2,29.2	6,7	8,9
	16,18						
LB7492	PowerPlex® Fusion						
		14,16	19,22	11,14	15,16	11,12	
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24	13,13	14,17		6,7	8,9
	16,18						
LC4BX9	PowerPlex® Fusion 6C						
		14,16	19,22	11,14	15,16	11,12	
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X	9,11
		22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18						
LGDJ8P	i-chip/FlexPlex27						
		14,16	19,22	11,14	15,16	11,12	11,12
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X,X	9,11
		22,24		14,17	27.2,29.2	6,7	8,9
	16,18						
LL6ZB3	GlobalFiler™ Express						
		14,16	19,22	11,14	15,16	11,12	
	1	7,12	10,14	14,15	17,19	9,11	10,13
		12,15	13,16	29,34.2	11,16	X	9,11
		22,24			27.2,29.2	6,7	8,9
	16,18						

TABLE 1

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

Item 1 - STR Results

LP4EV8	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
LVCDR7	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
LYTZ4Q	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	NM			NM	
M787FN	Investigator® 24plex QS					
	14,16	19,22	11,14	15,16	11,12	N/A
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	N/A	N/A	27.2,29.2	6,7	8,9
	16,18	N/A	N/A	N/A	N/A	
MGTC A7	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
MLPR8U	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
MLUK3X	Investigator® 24plex QS					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	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 1 - STR Results

MM6MNW Investigator® 24plex QS

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

N3P6V2 GlobalFiler™ Express

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

N4JTEW GlobalFiler™ (STRmix)

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

NDLBPZ GlobalFiler™ Express

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	N/A	N/A	27.2,29.2	6,7	8,9
	16,18	N/A	N/A	N/A	N/A	

NFBFLD GlobalFiler™

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

NMCWWJ PowerPlex® Fusion

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				

NNKKGJ PowerPlex® Fusion 6C

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	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 1 - STR Results

P4UDF7	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
P6BA4Y	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
P8P4A2	PowerPlex® Fusion 5C, MiniFiler					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
PHLCNX	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18					
PRKQBF	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
PVZA83	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
Q272EE	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	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 1 - STR Results

QB9HMW	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
QC377R	GlobalFiler™ (STRmix)					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
QC7THZ	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
QMTN6U	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
QN3PQT	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
QPWDAN	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
QTPUAV	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

QYHHGN	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
RDYXZD	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
RUBP2Z	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	No Results			No Results	
RYB4Z6	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	--	--	27.2,29.2	6,7	8,9
	16,18	--	--	--	--	
RZ6M7D	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
T4ZVPD	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
TUZBLZ	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					



TABLE 1

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

## Item 1 - STR Results

TYAHAJ	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
TYPQCR	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
U2TXUB	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				
U7NP39	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	NM			NM	
UAPNLD	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
UEEDXB	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				
UEYRN9	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

UWHM2G Investigator® 24plex QS

	14,16	19,22	11,14	15,16	11,12	N/A
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	N/A	N/A	27.2,29.2	6,7	8,9
	16,18	N/A	N/A	N/A	N/A	

UXXRUE PowerPlex® Fusion 6C

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					

UXW8WC PowerPlex® Fusion 6C

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		

UYTHRF FlexPlex 27

	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24		14,17	27.2,29.2	6,7	8,9
	16,18					

V2CWVF FlexPlex27

	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24		14,17	27.2,29.2	6,7	8,9
	16,18					

V36ZDN GlobalFiler™

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					

VHXK6B PowerPlex® Fusion 6C

	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 1 - STR Results

VR2MHV	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
VXC3BU	PowerPlex® Fusion 6C, 5C, GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	14,17	13,13	27.2,29.2	6,7	8,9
	16,18	No Results	No Results	No Results	No Results	
VYAD7W	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	No Results	No Results	No Results		
VZELZC	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
W3EE7G	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	NR	NR	NR		
W4TNDV	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
W6AAAT	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	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 1 - STR Results

W6QYAY	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
W8EDVM	GlobalFiler™ (STRmix v2.7)					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
W9QA6Y	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
WC46RM	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
WGL7BA	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
WHUF48	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
WLAUM7	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	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 1 - STR Results

WLH9DQ	Investigator® 24plex QS					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
WRM3CT	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	No Results			No Results	
X6FWRP	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
X929Y8	PowerPlex® Fusion					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18	NR				
XBBCV4	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
XGTRCV	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
Y7FGKK	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X,X	9,11
	22,24	13,13	14,17	27.2,29.2	6,7	8,9
	16,18	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 1 - STR Results

YAUR7R	PowerPlex® Fusion 6C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17	27.2,29.2	6,7	8,9
	16,18					
YL7J2N	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
YQDKZW	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	--
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	--	--	27.2,29.2	6,7	8,9
	16,18	--	--	--	--	
YRAXNP	GlobalFiler™ Express					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
Z88UKH	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	No Results			No Results	
ZBK6EC	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18					
ZN32DK	HuaXia Platinum (Gene Mapper ®ID-X)					
	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	X	9,11
	22,24	13	14,17		6,7	8,9
	16,18				NM	

TABLE 1

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

## Item 1 - STR Results

ZNEWJQ	PowerPlex® Fusion 5C					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24	13,13	14,17		6,7	8,9
	16,18	No Results				
ZPBA7J	GlobalFiler™					
	14,16	19,22	11,14	15,16	11,12	
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24			27.2,29.2	6,7	8,9
	16,18	No Results			No Results	
ZQGF8A	I-Chip/FlexPlex 27					
	14,16	19,22	11,14	15,16	11,12	11,12
1	7,12	10,14	14,15	17,19	9,11	10,13
	12,15	13,16	29,34.2	11,16	XX	9,11
	22,24		14,17	27.2,29.2	6,7	8,9
	16,18					

TABLE 1

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

## Item 2 - STR Results

27M6E7	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11,F			2,F	
28KQQM	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
29BGFX	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
2KAK3G	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
2PGWJD	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
2PW3WG	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
2V27KU	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	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 2 - STR Results

2XPD9X	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
32UV2N	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
3AHCGF	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
3BCZZB	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
3BFYAN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
3HAW2	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
3KKGMB	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

3WC4T7	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
3ZWHKM	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
44QDDK	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
4EC3EF	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
4GWF49	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
4L8B3Q	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
4MHCPNP	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 2 - STR Results

4NFMJR	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
4YL3MF	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
4YWLEN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
6ANKCJ	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
6P7BD8	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	-
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	-	-	20,30.2	9,3,9.3	8,11
	16,17	11	-	-	2	
6UHAT8	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
6WYM7F	PowerPlex® Fusi3n 6c (LRmixStudio)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	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 2 - STR Results

6ZMXM9	Identifiler® Direct					
		17,24		16,17	11,12	
2	9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9.3	8,11
	16,17					
76A3U3	GlobalFiler™ Express (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11,11			2	
7B8Y2J	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
7GLGVF	GlobalFiler™ (mRMP by Familias3)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
7HWCEM	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
7KNBTK	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
7NULX2	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 2 - STR Results

7P293T	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
7T46U9	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
7XFZTQ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
87M7P7	PowerPlex® Fusion 6c					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
8C8E7P	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
8U94HM	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
8YJ6PC	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

9BCVZH	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
9DHFRN	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
9GCGMC	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
9K2LKP	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
9NJWLZ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
9PDK4V	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
9TTZNV	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

A7J4FR	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
2		9,9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9,3,9.3 8,11
		16,17	11			2
A9KE2U	PowerPlex® Fusion					
		15,17.3	17,24	10,15	16,17	11,12
2		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12		9.3 8,11
		16,17	11			
AAE8WD	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
2		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3 8,11
		16,17	11			2
ABCK4F	PowerPlex® Fusion 5C					
		15,17.3	17,24	10,15	16,17	11,12
2		9,9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12		9,3,9.3 8,11
		16,17	11			
ABFA8D	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
2		9,9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9,3,9.3 8,11
		16,17	11	18	16	
AECVYF	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
2		9,9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9,3,9.3 8,11
		16,17	11			2
AH6KZJ	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
2		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	

TABLE 1

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

## Item 2 - STR Results

AP4AE3	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AVZR2U	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AXLH3Y	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9,3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
B3BBYY	FlexPlex					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
BDADRU	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
BLMAVF	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
BY8RNJ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

CB27HE	Identifiler® Plus					
		17,24		16,17	11,12	
2	9,9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9,3,9.3	8,11
	16,17					
CFXZ84	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
CJUUNG	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
CXAWHM	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
D6VYAP	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
D7PR69	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
E49ZKQ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

E4UL2M	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EG629T	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
EKJL6F	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
ELRTBE	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
ELVFNM	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EMP48H	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EVLWNN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 2 - STR Results

EXNY6D	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EZVA6M	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
F3C7ZQ	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
F4NLR7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
FZNAW8	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
G2W4TH	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
G9HQ8W	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

GHHPA3	GlobalFiler™						
	15,17.3	17,24	10,15	16,17	11,12		
	2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9.3	8,11	
	16,17	11			2		
GHQMRT	FlexPlex 27						
	15,17.3	17,24	10,15	16,17	11,12	11,13	
	2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22		7,12	20,30.2	9.3,9.3	8,11	
	16,17	11	18	16			
GZ2KNB	GlobalFiler™ Express						
	15,17.3	17,24	10,15	16,17	11,12		
	2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9.3	8,11	
	16,17	11			2		
HCYRB8	PowerPlex® 21						
	15,17.3	17,24		16,17	11,12	11,13	
	2	9,9	13,14	19,20	11,12	12,13	
	17,19	13,15	28,31.2		X,Y	11,12	
	20,22	12,14	7,12		9.3,9.3	8,11	
	16,17						
HFX488	GlobalFiler™						
	15,17.3	17,24	10,15	16,17	11,12		
	2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9.3,9.3	8,11	
	16,17	11			2		
HJX6M4	GlobalFiler™						
	15,17.3	17,24	10,15	16,17	11,12		
	2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9.3	8,11	
	16,17	11			2		
HQFABY	PowerPlex® Fusion 6C						
	15,17.3	17,24	10,15	16,17	11,12		
	2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11	
	16,17	11	18	16			

TABLE 1

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

## Item 2 - STR Results

HRQGGC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
J42LM9	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
JHGC2Z	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
K26FZD	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
K8UXDN	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	n/a
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	n/a	n/a	20,30.2	9.3,9.3	8,11
	16,17	11	n/a	n/a	n/a	
KALPU2	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
KEBD4D	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 2 - STR Results

KEQRBM	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
L3CWU3	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
LB7492	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11,11				
LC4BX9	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
LGDJ8P	i-chip/FlexPlex27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
LL6ZB3	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
LP4EV8	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

LVCDR7	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
LYTZ4Q	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
M787FN	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9.3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
MGTC7	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
MLPR8U	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
MLUK3X	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
MM6MNV	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 2 - STR Results

N3P6V2	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
N4JTEW	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
NDLBPZ	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9.3	8,11
	16,17	11	N/A	N/A	2	
NFBFLD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
NMCWWJ	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
NNKKGJ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
P4UDF7	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		



TABLE 1

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

## Item 2 - STR Results

P6BA4Y	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
P8P4A2	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
PHLCNX	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
PRKQBF	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
PVZA83	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
Q272EE	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
QB9HMW	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

QC377R	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QC7THZ	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QMTN6U	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QN3PQT	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QPWDAN	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
QTPUAV	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
QYHHGN	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

Item 2 - STR Results

RDYXZD	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
RUBP2Z	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
RYB4Z6	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	--	--	20,30.2	9.3,9.3	8,11
	16,17	11	--	--	2	
RZ6M7D	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
T4ZVPD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
TUZBLZ	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
TYAHAJ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

TYPQCR	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
U2TXUB	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
U7NP39	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
UAPNLD	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
UEEDXB	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
UEYRN9	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
UWHM2G	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9.3,9.3	8,11
	16,17	11	N/A	N/A	N/A	

TABLE 1

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

## Item 2 - STR Results

UXRXUE	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
UXW8WC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
UYTHRF	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
V2CWVF	FlexPlex27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
V36ZDN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
VHXX6B	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
VR2MHV	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 2 - STR Results

VXC3BU	PowerPlex® Fusion 6C, 5C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
VYAD7W	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
VZELZC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
W3EE7G	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
W4TNDV	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
W6AAAT	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
W6QYAY	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 2 - STR Results

W8EDVM	GlobalFiler™ (STRmix v2.7)					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
W9QA6Y	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
WC46RM	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
WGL7BA	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
WHUF48	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
WLAUM7	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
WLH9DQ	PowerPlex® 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 2 - STR Results

WRM3CT	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
X6FWRP	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
X929Y8	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
XBBCV4	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
XGTRCV	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
Y7FGKK	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
YAU7R	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		



TABLE 1

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

## Item 2 - STR Results

YL7J2N	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
YQDKZW	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	--
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	--	--	20,30.2	9,3,9.3	8,11
	16,17	11	--	--	2	
YRAXNP	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
Z88UKH	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
ZBK6EC	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
ZN32DK	HuaXia Platinum (Gene Mapper®ID-X)					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17				2	
ZNEWJQ	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	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 2 - STR Results

ZPBA7J	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
ZQGF8A	I-Chip/FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
2	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 3 - STR Results

27M6E7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11,F			2,F	
28KQQM	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
29BGFX	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
2KAK3G	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
2PW3WG	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
32UV2N	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
3AHCGF	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	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 3 - STR Results

3BFYAN	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
3HAWE2	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
3KKGMB	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
3WC4T7	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
3ZWHKM	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
44QDDK	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
4EC3EF	PowerPlex® 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 3 - STR Results

4GWF49	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3 8,11
		16,17	11			2
4L8B3Q	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	
4MHCNP	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	
4NFMJR	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	
4YWLEN	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
3		9,9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3,9.3 8,11
		16,17	11			2
6P7BD8	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12 -
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	-	-	20,30.2	9.3 8,11
		16,17	11	-	-	2
6UHAT8	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3 8,11
		16,17	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 3 - STR Results

6WYM7F	PowerPlex® Fusión 6c (LRmixStudio)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11				
6ZMXM9	Identifiler® Plus					
		17,24		16,17	11,12	
3	9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9.3	8,11
	16,17					
76A3U3	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
7B8Y2J	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
7GLGVF	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
7NULX2	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
7P293T	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	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 3 - STR Results

7XFZTQ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
8C8E7P	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
8U94HM	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
8YJ6PC	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
9DHFRN	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
9GCGMC	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
9K2LKP	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 3 - STR Results

9NJWLZ	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
9PDK4V	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
9TTZNV	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
A7J4FR	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
A9KE2U	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17	11				
AAE8WD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
ABCK4F	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	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 3 - STR Results

ABFA8D	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AECVYF	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
AH6KZJ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
AP4AE3	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AVZR2U	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AXLH3Y	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9,3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
B3BBYY	FlexPlex					
	15,17.3	17,24	10,15	16,17	11,12	11,13
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 3 - STR Results

BDADRU	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
BY8RNJ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
CB27HE	Identifiler® Plus					
		17,24		16,17	11,12	
3	9,9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9.3,9.3	8,11
	16,17					
CFXZ84	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
CJUUNG	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
CXAWHM	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
D6VYAP	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 3 - STR Results

D7PR69	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3 8,11
		16,17	11			2
E49ZKQ	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3 8,11
		16,17	11			2
E4UL2M	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	
EG629T	PowerPlex® Fusion 6C (STRmix)					
		15,17.3	17,24	10,15	16,17	11,12
3		9,9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3,9.3 8,11
		16,17	11	18	16	
EKJL6F	GlobalFiler™					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22			20,30.2	9.3 8,11
		16,17	11			2
ELRTBE	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	
ELVFNM	PowerPlex® Fusion 6C					
		15,17.3	17,24	10,15	16,17	11,12
3		9	13,14	13,14	19,20	11,12 12,13
		17,19	13,15	28,31.2	11,15	X,Y 11,12
		20,22	12,14	7,12	20,30.2	9.3 8,11
		16,17	11	18	16	

TABLE 1

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

## Item 3 - STR Results

EMP48H	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EVLWNN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
EXNY6D	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EZVA6M	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
F3C7ZQ	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
F4NLR7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
FZNAW8	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 3 - STR Results

G2W4TH	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
G9HQ8W	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
GHHPA3	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
GHQMRT	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
HCYRB8	PowerPlex® 21					
	15,17.3	17,24		16,17	11,12	11,13
	9,9	13,14		19,20	11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17					
HFX488	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
HJX6M4	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 3 - STR Results

HQFABY	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
HRQGGC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
J42LM9	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
JHGC2Z	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
K26FZD	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
K8UXDN	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	n/a
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	n/a	n/a	20,30.2	9,3,9.3	8,11
	16,17	11	n/a	n/a	n/a	
KALPU2	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 3 - STR Results

KEBD4D	GlobalFiler™						
	15,17.3	17,24	10,15	16,17	11,12		
	3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9,3,9.3	8,11	
	16,17	11			2		
KEQRBM	PowerPlex® Fusion						
	15,17.3	17,24	10,15	16,17	11,12		
	3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22	12,14	7,12		9.3	8,11	
	16,17	11					
LB7492	Identifiler® Plus						
		17,24		16,17	11,12		
	3	9,9	13,14		11,12	12,13	
	17,19	13,15	28,31.2		X,Y	11,12	
	20,22				9,3,9.3	8,11	
	16,17						
LC4BX9	PowerPlex® Fusion 6C						
	15,17.3	17,24	10,15	16,17	11,12		
	3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22	12,14	7,12	20,30.2	9.3	8,11	
	16,17	11	18	16			
LGDJ8P	i-chip/FlexPlex27						
	15,17.3	17,24	10,15	16,17	11,12	11,13	
	3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22		7,12	20,30.2	9,3,9.3	8,11	
	16,17	11	18	16			
LVCDR7	GlobalFiler™						
	15,17.3	17,24	10,15	16,17	11,12		
	3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9.3	8,11	
	16,17	11			2		
LYTZ4Q	GlobalFiler™						
	15,17.3	17,24	10,15	16,17	11,12		
	3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12	
	20,22			20,30.2	9.3	8,11	
	16,17	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 3 - STR Results

M787FN	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9,3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
MLPR8U	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
MLUK3X	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
N4JTEW	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
NFBFLD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
NMCWWJ	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17	11				
NNKNGJ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		



TABLE 1

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

## Item 3 - STR Results

P4UDF7	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
P8P4A2	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
PHLCNX	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
PRKQBF	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
Q272EE	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
QC377R	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QMTN6U	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 3 - STR Results

QN3PQT	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QTPUAV	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
RDYXZD	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
RUBP2Z	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
RYB4Z6	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	--	--	20,30.2	9.3,9.3	8,11
	16,17	11	--	--	2	
RZ6M7D	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
T4ZVPD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 3 - STR Results

TUZBLZ	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
TYAHAJ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
TYPQCR	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
U2TXUB	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
U7NP39	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
UAPNLD	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
UEEDXB	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	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 3 - STR Results

UEYRN9	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
UWHM2G	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9.3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
UXRXUE	PowerPlex® Fusion 6C (STRMix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
UXW8WC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
UYTHRF	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
V2CWVF	FlexPlex27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
V36ZDN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 3 - STR Results

VHXX6B	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
VXC3BU	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
VYAD7W	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
VZELZC	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
W4TNDV	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
W6AAAT	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
W6QYAY	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 3 - STR Results

W8EDVM	GlobalFiler™ (STRmix v2.7)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
W9QA6Y	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
WC46RM	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
WGL7BA	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
WHUF48	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
WLAUM7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
WLH9DQ	PowerPlex® 6C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 3 - STR Results

X6FWRP	GlobalFiler™ Express						
		15,17.3	17,24	10,15	16,17	11,12	
	3	9,9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2		
X929Y8	PowerPlex® Fusion						
		15,17.3	17,24	10,15	16,17	11,12	
	3	9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22	12,14	7,12		9.3	8,11
	16,17	11					
XBBCV4	GlobalFiler™						
		15,17.3	17,24	10,15	16,17	11,12	
	3	9,9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2		
Y7FGKK	GlobalFiler™						
		15,17.3	17,24	10,15	16,17	11,12	
	3	9,9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2		
YAUR7R	PowerPlex® Fusion 6C						
		15,17.3	17,24	10,15	16,17	11,12	
	3	9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16			
YL7J2N	GlobalFiler™						
		15,17.3	17,24	10,15	16,17	11,12	
	3	9,9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2		
YQDKZW	GlobalFiler™						
		15,17.3	17,24	10,15	16,17	11,12	--
	3	9,9	13,14	13,14	19,20	11,12	12,13
		17,19	13,15	28,31.2	11,15	X,Y	11,12
		20,22	--	--	20,30.2	9,3,9.3	8,11
	16,17	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 3 - STR Results

Z88UKH	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
ZBK6EC	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
ZN32DK	HuaXia Platinum (Gene Mapper®ID-X)					
	15,17.3	17,24	10,15	16,17	11,12	11,13
3	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17				2	
ZNEWJQ	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
ZPBA7J	PowerPlex® Fusion (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
ZQGF8A	I-Chip/FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
3	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		



TABLE 1

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

## Item 4 - STR Results

27M6E7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11,F			2,F	
28KQQM	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
29BGFX	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
2KAK3G	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
2PW3WG	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
32UV2N	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
3AHCGF	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	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 4 - STR Results

3BFYAN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
3HAWE2	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
3KKGMB	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
3WC4T7	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
3ZWHKM	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
44QDDK	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
4EC3EF	PowerPlex® 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 4 - STR Results

4GWF49	GlobalFiler™ (STRMIX)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
4L8B3Q	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
4MHCNP	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
4NFMJR	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
4YWLEN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
6P7BD8	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	-
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	-	-	20,30.2	9.3	8,11
	16,17	11	-	-	2	
6UHAT8	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

6WYM7F	PowerPlex® Fusión 6c (LRmixStudio)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	13,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11				
6ZMXM9	Identifiler® Plus					
		17,24		16,17	11,12	
4	9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9.3	8,11
	16,17					
76A3U3	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
7B8Y2J	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
7GLGVF	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
7NULX2	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
7P293T	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	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 4 - STR Results

7XFZTQ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
8C8E7P	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
8U94HM	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
8YJ6PC	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
9DHFRN	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
9GCGMC	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
9K2LKP	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 4 - STR Results

9NJWLZ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
9PDK4V	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
9TTZNV	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
A7J4FR	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
A9KE2U	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17	11				
AAE8WD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
ABCK4F	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	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 4 - STR Results

ABFA8D	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
AECVYF	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AH6KZJ	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3	8,11
	16,17	11	18	16		
AP4AE3	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AVZR2U	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
AXLH3Y	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9,3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
B3BBYY	FlexPlex					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 4 - STR Results

BDADRU	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
BY8RNJ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
CB27HE	Identifiler® Plus					
		17,24		16,17	11,12	
4	9,9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9.3,9.3	8,11
	16,17					
CFXZ84	PowerPlex® Fusion 6C (STRmix v. 2.5.11)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
CJUUNG	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
CXAWHM	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
D6VYAP	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	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 4 - STR Results

D7PR69	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
E49ZKQ	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
E4UL2M	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EG629T	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
EKJL6F	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
ELRTBE	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
ELVFNM	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 4 - STR Results

EMP48H	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EVLWNN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
EXNY6D	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
EZVA6M	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
F3C7ZQ	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
F4NLR7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
FZNAW8	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

G2W4TH	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
G9HQ8W	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
GHHPA3	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
GHQMRT	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
HCYRB8	PowerPlex® 21					
	15,17.3	17,24		16,17	11,12	11,13
4	9,9	13,14		19,20	11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17					
HFX488	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
HJX6M4	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

HQFABY	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
HRQGGC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
J42LM9	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
JHGC2Z	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
K26FZD	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
K8UXDN	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	n/a
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	n/a	n/a	20,30.2	9,3,9.3	8,11
	16,17	11	n/a	n/a	n/a	
KALPU2	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

KEBD4D	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
KEQRBM	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
LB7492	Identifiler® Plus					
		17,24		16,17	11,12	
4	9,9	13,14			11,12	12,13
	17,19	13,15	28,31.2		X,Y	11,12
	20,22				9,3,9.3	8,11
	16,17					
LC4BX9	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
LGDJ8P	i-chip/FlexPlex27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
LVCDR7	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
LYTZ4Q	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

M787FN	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9,3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
MLPR8U	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
MLUK3X	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		
N4JTEW	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
NFBFLD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3	8,11
	16,17	11			2	
NMCWWJ	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17	11				
NNKKGJ	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 4 - STR Results

P4UDF7	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
P8P4A2	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
PHLCNX	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11				
PRKQBF	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
Q272EE	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
QC377R	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QMTN6U	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

QN3PQT	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
QTPUAV	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
RDYXZD	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
RUBP2Z	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
RYB4Z6	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	--	--	20,30.2	9.3,9.3	8,11
	16,17	11	--	--	2	
RZ6M7D	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
T4ZVPD	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

TUZBLZ	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
TYAHAJ	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
TYPQCR	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
U2TXUB	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
U7NP39	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
UAPNLD	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
UEEDXB	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	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 4 - STR Results

UEYRN9	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
UWHM2G	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	N/A
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	N/A	N/A	20,30.2	9.3,9.3	8,11
	16,17	11	N/A	N/A	N/A	
UXRXUE	PowerPlex® Fusion 6C (STRMix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
UXW8WC	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
UYTHRF	FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
V2CWVF	FlexPlex27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
V36ZDN	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	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 4 - STR Results

VH XK6B	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
VX C3BU	GlobalFiler™ (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
VY AD7W	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
VZ ELZC	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		
W4 TNDV	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
W6 AAAT	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3,9.3	8,11
	16,17	11				
W6 QYAY	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 4 - STR Results

W8EDVM	GlobalFiler™ (STRmix v2.7)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
W9QA6Y	PowerPlex® Fusion 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
WC46RM	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
WGL7BA	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
WHUF48	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3,9.3	8,11
	16,17	11			2	
WLAUM7	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9.3	8,11
	16,17	11			2	
WLH9DQ	PowerPlex® 6C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3,9.3	8,11
	16,17	11	18	16		

TABLE 1

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

## Item 4 - STR Results

X6FWRP	GlobalFiler™ Express					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
X929Y8	PowerPlex® Fusion					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9.3	8,11
	16,17	11				
XBBCV4	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
Y7FGKK	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
YAU7R	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12	20,30.2	9.3	8,11
	16,17	11	18	16		
YL7J2N	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
YQDKZW	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	--
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	--	--	20,30.2	9,3,9.3	8,11
	16,17	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 4 - STR Results

Z88UKH	PowerPlex® Fusion 5C					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
ZBK6EC	GlobalFiler™					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11			2	
ZN32DK	HuaXia Platinum (Gene Mapper®ID-X)					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3	8,11
	16,17				2	
ZNEWJQ	Investigator® 24plex QS					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22			20,30.2	9,3,9.3	8,11
	16,17	11				
ZPBA7J	PowerPlex® Fusion (STRmix)					
	15,17.3	17,24	10,15	16,17	11,12	
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22	12,14	7,12		9,3,9.3	8,11
	16,17	11				
ZQGF8A	I-Chip/FlexPlex 27					
	15,17.3	17,24	10,15	16,17	11,12	11,13
4	9,9	13,14	13,14	19,20	11,12	12,13
	17,19	13,15	28,31.2	11,15	X,Y	11,12
	20,22		7,12	20,30.2	9,3,9.3	8,11
	16,17	11	18	16		

# YSTR Amplification Kit(s) & Results

TABLE 2

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

## Item 1 - YSTR Results

9BCVZH	Yfiler™ Plus								
1	[REDACTED]								
9PDK4V	Yfiler™								
1	[REDACTED]								
EVLWNN	Yfiler™								
1	[REDACTED]								
N3P6V2	Yfiler™ Plus								
1	[REDACTED]								
QB9HMMW	Yfiler™ Plus								
1	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
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QC7THZ	Yfiler™ Plus								
1	[REDACTED]								
XBBCV4	Yfiler™								
1	[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	Y GATA H4
<b>Item 2 - YSTR Results</b>									
2KAK3G	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
2PGWJD	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
2V27KU	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
2XPD9X	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3AHC GF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3BCZZB	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
3HAW E2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3KKG MB	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
4EC3EF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
6UHAT8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
6WYM7F	PowerPlex® Y 23								
2									
6ZMXM9	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11



TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
7GLGVF	Yfiler™ Plus									
	35,37	14	11,14	13	29	23	11	13	13	
2	15	12	11	19	28	17	18	11	22	
	37	12		18	16	22	24		11	
7NULX2	Yfiler™									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18			
							24		11	
7P293T	Yfiler™ Plus									
	35,37	14	11,14	13	29	23	11	13	13	
2	15	12	11	19	28	17	18	11	22	
	37	12		18	16	22	24		11	
7T46U9	Yfiler™									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18			
							24		11	
87M7P7	Yfiler™									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18			
							24		11	
8YJ6PC	Yfiler™ Plus									
	35,37	14	11,14	13	29	23	11	13	13	
2	15	12	11	19	28	17	18	11	22	
	37	12		18	16	22	24		11	
9BCVZH	Yfiler™ Plus									
	35,37	14	11,14	13	29	23	11	13	13	
2	15	12	11	19	28	17	18	11	22	
	37	12		18	16	22	24		11	
9GCGMC	PowerPlex® Y 23									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18		22	
		12	12	18	16		24	10	11	
9NJWLZ	Yfiler™									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18			
							24		11	
9PDK4V	Yfiler™									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18			
							24		11	
9TTZNV	Yfiler™									
		14	11,14	13	29	23	11	13	13	
2	15	12	11	19		17	18			
							24		11	
A9KE2U	Yfiler™ Plus									
	35,37	14	11,14	13	29	23	11	13	13	
2	15	12	11	19	28	17	18	11	22	
	37	12		18	16	22	24		11	

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 2 - YSTR Results</b>									
AAE8WD	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
ABCK4F	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
ABFA8D	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BDADRU	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BE42BP	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BLMAVF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BY8RNJ	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
CFXZ84	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
D7PR69	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
EG629T	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
EVLWNN	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
F3C7ZQ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 2 - YSTR Results</b>									
F4NLR7	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
FZNAW8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
G2W4TH	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
GHHPA3	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
GZ2KNB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
HJX6M4	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
KALPU2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
KEQRBM	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
L3CWU3	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
LB7492	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
LL6ZB3	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
LYTZ4Q	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 2 - YSTR Results</b>									
MLPR8U	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
MM6MNV	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
N3P6V2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NDLBPZ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12	N/A	18	16	22	24	N/A	11
NFBFLD	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NMCWWJ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NNNKGJ	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
P6BA4Y	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
P8P4A2	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
PRKQBF	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
PVZA83	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
Q272EE	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 2 - YSTR Results</b>									
QB9HMW	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12	N/A	18	16	22	24	N/A	11
QC7THZ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QMTN6U	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QN3PQT	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QPWDAN	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
QTUAV	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QYHHGN	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
TYPQCR	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
U2TXUB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
U7NP39	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
UAPNLD	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
UEEDXB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 2 - YSTR Results</b>									
UXW8WC	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
V36ZDN	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
VHXK6B	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
VR2MHV	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
VYAD7W	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
VZELZC	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
W3EE7G	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
WC46RM	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
WLAUM7	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
X929Y8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
XBBCV4	Yfiler™								
		14	11,14	13	29	23	11	13	13
2	15	12	11	19		17	18		
							24		11
XGTRCV	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

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

Item 2 - YSTR Results

YRAXNP	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
ZN32DK	Goldeneye Y Plus								
	35,37	14	11,14	13	29	23	11	13	13
2	15	12	11	19	28	17	18	11	22
	37	12	12	18	16	22	24	10	11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 3 - YSTR Results</b>									
2XPD9X	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3AHCGF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3HAWE2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3KKGMB	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
4EC3EF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
6UHAT8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
6WYM7F	PowerPlex® Y 23								
3									
6ZMXM9	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
7GLGVF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
7NULX2	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
7P293T	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
8YJ6PC	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11



TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 3 - YSTR Results</b>									
9GCGMC	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
9NJWLZ	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
9PDK4V	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
9TTZNV	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
A9KE2U	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
AAE8WD	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
ABCK4F	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
ABFA8D	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BDADRU	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BE42BP	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BY8RNJ	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
CFXZ84	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 3 - YSTR Results</b>									
D7PR69	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
EG629T	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
EVLWNN	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
F3C7ZQ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
F4NLR7	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
FZNAW8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
G2W4TH	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
GHHPA3	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
HJX6M4	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
KALPU2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
KEQRBM	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
LB7492	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 3 - YSTR Results</b>									
LVTZ4Q	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
MLPR8U	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
NFBFLD	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NMCWWJ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NNNKGJ	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
P8P4A2	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
PRKQBF	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
Q272EE	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QMTN6U	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QN3PQT	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QTPUAV	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
TYPQCR	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 3 - YSTR Results</b>									
U2TXUB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
U7NP39	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
UAPNLD	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
UEEDXB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
UXW8WC	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
V36ZDN	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
VHXK6B	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
VYAD7W	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
VZELZC	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
WC46RM	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
WLAUM7	Yfiler™								
		14	11,14	13	29	23	11	13	13
3	15	12	11	19		17	18		
							24		11
X929Y8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
3	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

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

Item 3 - YSTR Results

XBBCV4	Yfiler™								
		14	11,14	13	29	23	11	13	13
	3	15	12	11	19	17	18		
							24		11
ZN32DK	Goldeneye Y Plus								
	35,37	14	11,14	13	29	23	11	13	13
	3	15	12	11	19	28	17	18	11
	37	12	12	18	16	22	24	10	11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 4 - YSTR Results</b>									
2XPD9X	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3AHCGF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3HAWE2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
3KKGMB	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
4EC3EF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
6UHAT8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
6WYM7F	PowerPlex® Y 23								
4									
6ZMXM9	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
7GLGVF	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
7NULX2	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
7P293T	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
8YJ6PC	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 4 - YSTR Results</b>									
9GCGMC	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
9NJWLZ	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
9PDK4V	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
9TTZNV	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
A9KE2U	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
AAE8WD	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
ABCK4F	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
ABFA8D	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BDADRU	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
BE42BP	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
CFXZ84	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
D7PR69	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 4 - YSTR Results</b>									
EG629T	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
EVLWNN	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
F3C7ZQ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
F4NLR7	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
FZNAW8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
G2W4TH	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
GHHPA3	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
HJX6M4	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
KALPU2	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
KEQRBM	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
LB7492	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
LYTZ4Q	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11



TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 4 - YSTR Results</b>									
MLPR8U	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
NFBFLD	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NMCVWJ	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
NNKKGJ	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
P8P4A2	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
PRKQBF	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
Q272EE	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QMTN6U	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QN3PQT	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
QTPUAV	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
TYPQCR	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
U2TXUB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 4 - YSTR Results</b>									
U7NP39	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
UAPNLD	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
UEEDXB	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
UXW8WC	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
V36ZDN	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
VHXX6B	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
VYAD7W	PowerPlex® Y 23								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		22
		12	12	18	16		24	10	11
VZELZC	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
WC46RM	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
WLAUM7	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11
X929Y8	Yfiler™ Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12		18	16	22	24		11
XBBCV4	Yfiler™								
		14	11,14	13	29	23	11	13	13
4	15	12	11	19		17	18		
							24		11

TABLE 2

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

Item 4 - YSTR Results

ZN32DK	Goldeneye Y Plus								
	35,37	14	11,14	13	29	23	11	13	13
4	15	12	11	19	28	17	18	11	22
	37	12	12	18	16	22	24	10	11

## Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
QS1	AXLH3Y	Q	Q	Q			Q		
QS2	AXLH3Y	S	S	S			S		

# DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
27M6E7	No	No	Yes	Yes	4MHCNP	No	No	Yes	Yes
28KQQM	No	No	Yes	Yes	4NFMJR	No	No	Yes	Yes
29BGFY	No	No	Yes	Yes	4YL3MF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2KAK3G	No	No	Yes	Yes	4YWLEN	No	No	Yes	Yes
2PGWJD	No Interpretations Reported, DNA Analyzed for Database purposes only.				6ANKCJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2PW3WG	No	No	Yes	Yes	6P7BD8	No	No	Yes	Yes
2V27KU	No Interpretations Reported, DNA Analyzed for Database purposes only.				6UHAT8	No	No	Yes	Yes
2XPD9X	No Interp	No Interp	Yes	Yes	6WYM7F			Yes	Yes
32UV2N	No	No	Yes	Yes	6ZMXM9	No	No	Yes	Yes
3AHCGF	No	No	Yes	Yes	76A3U3	No	No	Yes	Yes
3BCZZB	No Interpretations Reported, DNA Analyzed for Database purposes only.				7B8Y2J	No	No	Yes	Yes
3BFYAN	No	No	Yes	Yes	7GLGVF	No	No	Yes	Yes
3HAW2	No	No	Yes	Yes	7HWCEM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3KKGMB	No	No	Yes	Yes	7KNBTK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3WC4T7	No	No	Yes	Yes	7NULX2	No	No	Yes	Yes
3ZWHKM	No Interpretations Reported, DNA Analyzed for Database purposes only.				7P293T	No	No	Yes	Yes
44QDDK	No	No	Yes	Yes	7T46U9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4EC3EF	No	No	Yes	Yes	7XFZTQ	No	No	Yes	Yes
4GWF49	No	No	Yes	Yes	87M7P7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4L8B3Q	No	No	Yes	Yes	8C8E7P	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
8U94HM	No	No	Yes	Yes	BE42BP	No Interp	No Interp	Yes	Yes
8YJ6PC	No	No	Yes	Yes	BLMAVF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9BCVZH	No Interpretations Reported, DNA Analyzed for Database purposes only.				BY8RNJ	No	No	Yes	Yes
9DHFRN	No	No	Yes	Yes	CB27HE	No	No	Yes	Yes
9GCGMC	No	No	Yes	Yes	CFXZ84	No	No	Yes	Yes
9K2LKP	No	No	Yes	Yes	CJUVNG	No	No	Yes	Yes
9NJWLZ	No	No	Yes	Yes	CXAWHM	No	No	Yes	Yes
9PDK4V	No Interpretations Reported, DNA Analyzed for Database purposes only.				D6VYAP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9TTZNV	No	No	Yes	Yes	D7PR69	No	No	Yes	Yes
A7J4FR	No Interpretations Reported, DNA Analyzed for Database purposes only.				E49ZKQ	No	No	Yes	Yes
A9KE2U	No	No	Yes	Yes	E4UL2M	No	No	Yes	Yes
AAE8WD	No	No	Yes	Yes	EG629T	No	No	Yes	Yes
ABCK4F	No	No	Yes	Yes	EKJL6F	No	No	Yes	Yes
ABFA8D	No	No	Yes	Yes	ELRTBE	No	No	Yes	Yes
AECVYF	No	No	Yes	Yes	ELVFNM	No	No	Yes	Yes
AH6KZJ	No	No	Yes	Yes	EMP48H	No	No	Yes	Yes
AP4AE3	No	No	Yes	Yes	EVLWNN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
AVZR2U	No Interpretations Reported, DNA Analyzed for Database purposes only.				EXNY6D	No	No	Yes	Yes
AXLH3Y	No	No	Yes	Yes	EZVA6M	No	No	Yes	Yes
B3BBYY	No	No	Yes	Yes	F3C7ZQ	No	No	Yes	Yes
BDADRU	No	No	Yes	Yes	F4NLR7	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
FZNAW8	No	No	Yes	Yes	LGDJ8P	No	No	Yes	Yes
G2W4TH	No	No	Yes	Yes	LL6ZB3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
G9HQ8W	No	No	Yes	Yes	LP4EV8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GHPA3	No	No	Yes	Yes	LVCDR7	No	No	Yes	Yes
GHQMRT	No	No	Yes	Yes	LYTZ4Q	No	No	Yes	Yes
GZ2KNB	No Interpretations Reported, DNA Analyzed for Database purposes only.				M787FN	No	No	Yes	Yes
HCYRB8	No	No	Yes	Yes	MGTA7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HFX488	No	No	Yes	Yes	MLPR8U	No	No	Yes	Yes
HJX6M4	No	No	Yes	Yes	MLUK3X	No	No	Yes	Yes
HQFABY	No	No	Yes	Yes	MM6MNV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HRQGGC	No	No	Yes	Yes	N3P6V2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
J42LM9	No	No	Yes	Yes	N4JTEW	No	No	Yes	Yes
JHGC2Z	No	No	Yes	Yes	NDLBPZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
K26FZD	No	No	Yes	Yes	NFBFLD	No	No	Yes	Yes
K8UXDN	No	No	Yes	Yes	NMCWWJ	No	No	Yes	Yes
KALPU2	No	No	Yes	Yes	NNKNGJ	No	No	Yes	Yes
KEBD4D	No	No	Yes	Yes	P4UDF7	No	No	Yes	Yes
KEQRBM	No	No	Yes	Yes	P6BA4Y	No Interpretations Reported, DNA Analyzed for Database purposes only.			
L3CWU3	No Interpretations Reported, DNA Analyzed for Database purposes only.				P8P4A2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LB7492	No	No	Yes	Yes	PHLCNX	No	No	Yes	Yes
LC4BX9	No	No	Yes	Yes	PRKQBF	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
PVZA83	No Interpretations Reported, DNA Analyzed for Database purposes only.				UEEDXB	No	No	Yes	Yes
Q272EE	No	No	Yes	Yes	UEYRN9	No	No	Yes	Yes
QB9HMW	No Interpretations Reported, DNA Analyzed for Database purposes only.				UWHM2G	No	No	Yes	Yes
QC377R	No	No	Yes	Yes	UXRXUE	No	No	Yes	Yes
QC7THZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				UXW8WC	No	No	Yes	Yes
QMTN6U	No	No	Yes	Yes	UYTHRF	No	No	Yes	Yes
QN3PQT	No	No	Yes	Yes	V2CWWF	No	No	Yes	Yes
QPWDAN	No Interpretations Reported, DNA Analyzed for Database purposes only.				V36ZDN	No	No	Yes	Yes
QTPUAV	No	No	Yes	Yes	VHXK6B	No	No	Yes	Yes
QYHHGN	No Interpretations Reported, DNA Analyzed for Database purposes only.				VR2MHV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RDYXZD	No	No	Yes	Yes	VXC3BU	No	No	Yes	Yes
RUBP2Z	No	No	Yes	Yes	VYAD7W	No	No	Yes	Yes
RYB4Z6	No	No	Yes	Yes	VZELZC	No	No	Yes	Yes
RZ6M7D	No	No	Yes	Yes	W3EE7G	No Interpretations Reported, DNA Analyzed for Database purposes only.			
T4ZVPD	No	No	Yes	Yes	W4TNDV	No	No	Yes	Yes
TUZBLZ	No	No	Yes	Yes	W6AAAT	No	No	Yes	Yes
TYAHAJ	No	No	Yes	Yes	W6QYAY	No	No	Yes	Yes
TYPQCR	No	No	Yes	Yes	W8EDVM	No	No	Yes	Yes
U2TXUB	No	No	Yes	Yes	W9QA6Y	No	No	Yes	Yes
U7NP39	No	No	Yes	Yes	WC46RM	No	No	Yes	Yes
UAPNLD	No	No	Yes	Yes	WGL7BA	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
WHUF48	No Interpretations Reported, DNA Analyzed for Database purposes only.								
WLAUM7	No	No	Yes	Yes					
WLH9DQ	No	No	Yes	Yes					
WRM3CT	No Interpretations Reported, DNA Analyzed for Database purposes only.								
X6FWRP	No	No	Yes	Yes					
X929Y8	No	No	Yes	Yes					
XBBCV4	No Interpretations Reported, DNA Analyzed for Database purposes only.								
XGTRCV	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Y7FGKK	No	No	Yes	Yes					
YAU7R	No	No	Yes	Yes					
YL7J2N	No	No	Yes	Yes					
YQDKZW	No	No	Yes	Yes					
YRAXNP	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Z88UKH	No	No	Yes	Yes					
ZBK6EC	No	No	Yes	Yes					
ZN32DK	No	No	Yes	Yes					
ZNEWJQ	No	No	Yes	Yes					
ZPBA7J	No	No	Yes	Yes					
ZQGF8A	No	No	Yes	Yes					

**DNA Interpretation****Response Summary****Participants reporting DNA results: 185**

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

	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	<b>0</b>	<b>0</b>	<b>146</b>	<b>146</b>
No	<b>143</b>	<b>143</b>	<b>0</b>	<b>0</b>
Inc	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
No Interpretation	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>
No Response	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

**Participants analyzing DNA for database purposes only: 39**

# Additional Comments

## TABLE 5

WebCode	Additional Comments
28KQQM	Y-STR testing not performed
2PGWJD	NR= No Result
32UV2N	YSTR testing not performed
3BCZZB	NR = No Result
3BFYAN	Y-STR not performed.
3HAWE2	NR = no results. All data reported is from analysis using Genemapper-IDX. Item 4 was also analyzed using the STRmix software.
3KKGMB	Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: -Item 3 and Item 4 were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express Amplification kit. -Item 3 and Item 4 were amplified using GlobalFiler Amplification kit. -Item 2, Item 3 and Item 4 were amplified using Y-Filer Kit. -All amplification performed on ProFlex PCR System. Electrophoresis: -All amplified product were run on Genetic Analyzer 3500. Quality Control: -All reagent blank, positive control, negative control, were carried out through out the analysis and all gave intended results. Remarks: - NM : Non-male profile.
3ZWHKM	Y-STR testing not performed.
4YL3MF	Items 3 and 4 not processed.
4YWLEN	Y-STR not performed as [Laboratory] only routinely perform Y-STR for sexual assault cases.
6ZMXM9	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: DNA quantitation for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xl for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3500xl for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
7B8Y2J	Y-STR testing not performed.
7GLGVF	mRMP item 1 = 2.0E+28. mRMP item 2 = item 3 = item 4 = 7.6E+23.
7NULX2	NR = no result
7T46U9	No comparisons performed
87M7P7	NR= no results
9NJWLZ	NR=No Results.

TABLE 5

WebCode	Additional Comments
9TTZNV	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 2 was extracted using chelex method. Item 3 and Item 4 were extracted using DNA QIASymphony DNA Investigator kit on QIASymphony SP. Quantification: Item 2, Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express PCR Amplification Kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Y-filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4. (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis and all gave intended results. NM: Non-male profile.
A9KE2U	NR = no results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
AECVYF	YSTR testing not performed.
B3BBYY	These samples were tested using an ANDE 6C Rapid DNA system.
BDADRU	NR indicates no results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
CFXZ84	NR = no result.
E4UL2M	peaks modeled as stutter do not appear on the allele tables
EG629T	NR - No Results
F3C7ZQ	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GMID-X. NR = no results.
HQQFABY	Y-STR testing was not performed.
J42LM9	YSTR testing not performed.
KEQRBM	Note: 1) NR=No Results. 2) Conclusion was based on the data obtained from GeneMapper ID-X. 3) Item 4 was deconvoluted and interpreted with STRmix.
LB7492	WE USE DIRECT AMPIFICATION FOR SAMPLES. ITEM 3 AND 4 REFERS TO THE SSPECT.
LGDJ8P	DNA profiles were obtained from Items 1 and 2 for comparison purposes. No DNA foreign to Suspect was found on Item 3. The male DNA profile from Item 4 matches Suspect. The estimated frequency of this profile is one person in 180 septillion random, unrelated individuals based on the relevant [Country] populations. This profile does not match Victim.
LYTZ4Q	Extraction: Item 1 to Item 4 were extracted using the Chelex extraction method. Quantification: Item 1 to Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 to 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 2, Item 3 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 to Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl with Genemapper ID-X Software for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. NM = Non Male profile.
MLPR8U	NR = No Result

TABLE 5

WebCode	Additional Comments
MLUK3X	Y-STR not performed.
MM6MNW	Items 3 and 4 not processed.
NMCWWJ	NR=No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
NNKKGJ	NR = No Result
PHLCNX	YSTR testing was not performed
Q272EE	NR=No Results. All data reported was analyzed with Genemapper ID-X. In addition, Item 3 was analyzed using STRmix
QPWDAN	NR = No Results.
QYHHGN	NR = No Result
RUBP2Z	YSTR testing not performed.
U2TXUB	NR=No results. STRmix analysis done on Item 4. All data reported is from analysis using GeneMapper ID-X.
U7NP39	Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 2 were extracted using chelex method. -Item 3 and Item 4 were extracted using DNA QIASymphony method. Quantitation: -Item 2, Item 3 and Item 4 were quantified using ABI Quantifiler Trio Kit via QuantStudio5. 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 2, Item 3 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -Electrophoresis for Globalfiler PCR products of Item 1, Item 2, Item 3 and Item 4 were carried out using Genetic Analyzer 3500xl. -Electrophoresis for YFiler PCR products of Item 2, Item 3 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.
UAPNLD	NR = No Results
UEEDXB	NR = No Results; STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
UXW8WC	NR = No result.
UYTHRF	Samples process using the ANDE Rapid DNA System.
VXC3BU	Y-STR not performed
VZELZC	Abbreviations: NR = No Results.
W3EE7G	NR= no results
W6AAAT	Y-STR not performed.

TABLE 5

WebCode	Additional Comments
WLAUM7	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 2 was extracted using chelex method. Item 3 and Item 4 were extracted using QIASymphony extraction method (bloodstain extraction method). Quantification: Item 2, Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI Quantstudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ProFlex™ PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 3 and Item 4 (GlobalFiler kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Represent non-male profile.
WLH9DQ	YSTR testing not performed
WRM3CT	Items 3 and 4 were not processed. Y-STR testing was not performed.
X929Y8	STRmix analysis conducted on samples in this test. Data reported out in this test is from analysis using GeneMapper ID-X. NR=no results.
Y7FGKK	Serology, Mito, and YSTR testing were not performed.
YL7J2N	Y-STR testing was not performed.
YQDKZW	Items 3 and 4 were extracted via differential separation, per laboratory protocol. Insufficient human DNA was detected in the sperm fractions of items 3 and 4, so the report will reflect the non-sperm fractions (epi-fraction) only for items 3 and 4.
Z88UKH	Y-STRs were not performed.
ZNEWJQ	Y-STR testing not performed.
ZPBA7J	Y-STR testing not performed

-End of Report-  
(Appendix may follow)

## Test No. 22-5805: DNA-Blood

DATA MUST BE SUBMITTED BY **Nov. 7, 2022, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: 8MCAEM

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

### Scenario:

Police are investigating the death of a female victim. The victim and a male suspect were attending a friend's pool party. The partygoers were heavily drinking throughout the day. A fight broke out between the victim and suspect. Eyewitnesses told police the suspect grabbed the victim around the neck and the victim punched the suspect to escape, causing him to bleed. The suspect then shoved the victim which caused her to fall and hit her head on the pool edge. The victim's body was found deceased next to the pool with a severe head injury. The suspect was apprehended by police that same day. Investigators are submitting a stain from the swim trunks the suspect was wearing (Item 3) and a stain from the bathing suit the victim was wearing (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (suspect's swim trunks) is positive for blood, and Item 4 (victim's bathing suit) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

### Items Submitted (Sample Pack S5):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from suspect's swim trunks (yellow)

Item 4: Questioned blood stain from victim's bathing suit (blue)











### Part I (continued): DNA Analysis - Additional DNA

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

Locus	Item 1	Item 2	Item 3	Item 4

## Part II: DNA INTERPRETATION

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

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

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

## Part III: ADDITIONAL COMMENTS

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

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

## RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)