



## **DNA-Blood Test No. 17-5805**

### **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 263 participants and are compiled into the following tables:

	<u>Page</u>
<u><a href="#">Manufacturer's Information</a></u>	<u><a href="#">2</a></u>
<u><a href="#">Summary Comments</a></u>	<u><a href="#">4</a></u>
<u><a href="#">Table 1: STR Amplification Kit(s) &amp; Results</a></u>	<u><a href="#">5</a></u>
<u><a href="#">Table 2: YSTR Amplification Kit(s) &amp; Results</a></u>	<u><a href="#">149</a></u>
<u><a href="#">Table 3: Additional DNA Results</a></u>	<u><a href="#">212</a></u>
<u><a href="#">Table 4: DNA Interpretations</a></u>	<u><a href="#">213</a></u>
<u><a href="#">Table 5: Additional Comments</a></u>	<u><a href="#">219</a></u>
<u><a href="#">Appendix: Data Sheet</a></u>	<u><a href="#">224</a></u>

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

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

## **Manufacturer's Information**

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains; one on clean, yellow material (Item 3) and one on clean, grey heather material (Item 4). Participants were requested to analyze these items using their existing protocols.

**SAMPLE PREPARATION:** All stains were prepared from human whole blood which was either drawn into citric acid preservative blood bags or EDTA tubes. Item 1 (75  $\mu$ l) was prepared using blood collected from a female donor. Items 2 (75  $\mu$ l) and 4 (50  $\mu$ l) were both prepared using blood collected from the same male donor. Item 3 (50  $\mu$ l) was prepared using blood collected from another female donor different from Item 1. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on September 05, 2017 following receipt of predistribution results

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

**VERIFICATION:** All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci with the exception of one pre-distribution laboratory that was missing an allele call at D10S1248 for Item 3. This laboratory mentioned the likelihood of allele dropout at this locus. After an investigation, no changes were deemed necessary prior to distribution.

## 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	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	
1	16,17.3	23,24	10,11.3	15,17	*	11,12
	*	11,11	12,13	*	13,13	15,17
	11,11	11,11	*	11,17	12,14	*
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
2	11,17.3	17,19	10,10	14,15	*	12,12
	*	11,12	11,14	*	15,16	15,23
	10,12	11,12	*	14,17	14,14	*
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
3	11,12	21,25	11,14	17,18	*	12,13
	*	10,11	10,12	*	13,16	15,17.3
	8,13	13,13	*	10,13	15,15	*
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
4	11,17.3	17,19	10,10	14,15	*	12,12
	*	11,12	11,14	*	15,16	15,23
	10,12	11,12	*	14,17	14,14	*
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

### 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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
2	35,36	17	11,12	14	29	23	10	11	13	15	
	10	13	20	*	14	18	11	22	*	35	
	*	12	11	20	16	*	23	23	11.2	12	2
4	*	17	11,12	14	29	23	10	11	13	15	
	10	13	20	*	14	18	*	22	*	*	
	*	12	11	20	16	*	*	23	11.2	12	2

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

## **Summary Comments**

The DNA-Blood test is part of the DNA Sample Specific Series, where participants are advised of the body fluid(s) that make up the questioned stains. This test is designed to allow participants to assess their proficiency in DNA analysis of dried bloodstains, data interpretation and/or reporting conclusions based on typing results. 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 collected from a female donor. Items 2 and 4 were created using blood collected from the same male donor. Item 3 was created using blood collected from another female donor different from the one used for Item 1. (See Manufacturer's Information for preparation details)

Of the 263 participants that returned results, 33 did not report DNA interpretations and of those, 30 stated that they analyzed samples for database purposes only.

For the Item 3 stain, all 230 participants excluded the victim (Item 1) as a possible contributor. There were 229 participants that excluded the suspect (Item 2), while one participant included the suspect as a possible contributor to the Item 3 stain.

For the Item 4 stain, all 230 participants excluded the victim (Item 1) as a possible contributor. There were 229 participants that included the suspect (Item 2), while one participant excluded the suspect as a possible contributor to the Item 4 stain.

Six participants reported allelic results that differed from the consensus/predistribution results. Of these, five participants reported inconsistent alleles at one or more loci, and one participant was missing an allele at the D10S1248 locus.

# STR Amplification Kit(s) & Results

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

2BD34L	PowerPlex® Fusion 6C					
		16,17.3	23,24	10,11.3	15,17	11,12
	1		11	12,13		13
		11	11		11,17	12,14
		29,33.2	15,16	X	11,14	21,22
	12,14	28.2,29.2	9,9.3	8,9	16,17	
2BU6ME	PowerPlex® Fusion 6C					
		16,17.3	23,24	10,11.3	15,17	11,12
	1		11,11	12,13		13,13
		11,11	11,11		11,17	12,14
		29,33.2	15,16	X,X	11,14	21,22
	12,14	28.2,29.2	9,9.3	8,9	16,17	
2CU2J4	Investigator® 24plex GO					
		16,17.3	23,24	10,11.3	15,17	N/A
	1		11,11	12,13	N/A	13,13
		11,11	11,11	N/A	11,17	12,14
		29,33.2	15,16	X,X	11,14	21,22
	N/A	28.2,29.2	9,9.3	8,9	16,17	
2D39NH	Identifiler® Plus					
			23,24		15,17	11,12
	1		11,11	12,13		
		11,11	11,11		11,17	12,14
		29,33.2		X,X	11,14	21,22
			9,9.3	8,9	16,17	
2KLG99	PowerPlex® Fusion 5C					
		16,17.3	23,24	10,11.3	15,17	11,12
	1		11,11	12,13		13,13
		11,11	11,11		11,17	12,14
		29,33.2	15,16	X,X	11,14	21,22
	12,14		9,9.3	8,9	16,17	
2KMA7F	GlobalFiler™					
		16,17.3	23,24	10,11.3	15,17	11,12
	1		11	12,13		13
		11	11		11,17	12,14
		29,33.2	15,16	X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
2MR2UM	PowerPlex® Fusion					
		16,17.3	23,24	10,11.3	15,17	11,12
	1		11,11	12,13		13,13
		11,11	11,11		11,17	12,14
		29,33.2	15,16	X,X	11,14	21,22
	12,14		9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

2N4Q78	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
2XPXPV	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
328EQE	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
33XURA	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
348R7R	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
34QQBC	PowerPlex® 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
3KXQDE	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

3LFHPJ	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
3Q69LE	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
3Z8LNZ	PowerPlex® ESX17, GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
3ZACVH	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
3ZUVZP	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
42M69X	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
42ZRQC	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

48Q3YP	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
49MFLH	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
4CK4Z4	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
4EQJCG	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
4F2D4A	Identifiler®					
	-	23,24	-	15,17	-	11,12
1		11,11	12,13	-	-	-
	11,11	11,11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	
4J2FE6	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
4QGA48	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	



TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

4UJ43C	Identifiler® +					
		23,24		15,17		11,12
1		11,11	12,13			
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	
			9,9.3	8,9	16,17	
63PFKR	Investigator® 24plex, MiniFiler					
		16,17.3	23,24	10,11.3	15,17	11,12
1		11	12,13		13	15,17
		11		11,17	12,14	
		29,33.2	15,16	X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
63UZAF	GlobalFiler™					
		16,17.3	23,24	10,11.3	15,17	11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
63Y7ZQ	GlobalFiler™					
		16,17.3	23,24	10,11.3	15,17	11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
66C7JB	PowerPlex® Fusion 6C					
		16,17.3	23,24	10,11.3	15,17	11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	28.2,29.2	9,9.3	8,9	16,17
66J68T	GlobalFiler™					
		16,17.3	23,24	10,11.3	15,17	11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
6BJHWB	PowerPlex® Fusion 5C					
		16,17.3	23,24	10,11.3	15,17	11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

6GDMGT	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	
			9,9.3	8,9	16,17	
6H3TXJ	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	11,12
		12,14	9,9.3	8,9	16,17	
6KAYR8	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
		11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	11,12
		12,14	28.2,29.2	9,9.3	8,9	16,17
6N9HJX	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
		11		11,17	12,14	
		29,33.2	X	11,14	21,22	11,12
		12,14	28.2,29.2	9,9.3	8,9	16,17
6PLYUP	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
		11		11,17	12,14	
		29,33.2	X	11,14	21,22	11,12
		12,14	9,9.3	8,9	16,17	
6QXP4U	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
		11		11,17	12,14	
		29,33.2	X	11,14	21,22	11,12
		12,14	9,9.3	8,9	16,17	
7D8GHD	PowerPlex® 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	11,12
		12,14	28.2,29.2	9,9.3	8,9	16,17

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

7G9E3D	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
7L4CGW	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
7TX9E8	Identifiler®					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
7VNHK3	Identifiler®					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
7XWHRU	GlobalFiler™ Express					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
8369N9	Identifiler®					
	-	23,24	-	15,17	-	11,12
1		11,11	12,13	-	-	-
	11,11	11,11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	
83PXXG	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

84GXYX	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17	N/A	11,12
1	N/A	11,11	12,13	N/A	13,13	15,17
	11,11	11,11	N/A	11,17	12,14	N/A
	29,33.2	15,16	X,X	11,14	21,22	N/A
	N/A	28.2,29.2	9,9.3	8,9	16,17	
86UPRF	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
87MJMX	Identifiler® Direct					
		23,24		15,17		11,12
1		11	12,13			
	11	11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
89T4BX	Identifiler® Direct					
		23,24		15,17		11,12
1		11	12,13			
	11	11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
8JPA4W	Identifiler®, Investigator® 24plex GO					
	16,17.3	23,24	10,11.3	15,17	N/A	11,12
1	N/A	11,11	12,13	N/A	13,13	15,17
	11,11	11,11	N/A	11,17	12,14	N/A
	29,33.2	15,16	X,X	11,14	21,22	N/A
	N/A	28.2,29.2	9,9.3	8,9	16,17	
8K3NUQ	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
8M4WRA	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

8PVU32	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
8RMYRT	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
968GFP	Identifiler® Plus, Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
96MZZM	Investigator® 24plex QS					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
98BGAV	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
9F7JER	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
9GZ3JZ	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

9HUQ6G	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
9KXLJD	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
9PTKNA	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
9QMYML	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17	NA	11,12
1	NA	11,11	12,13	NA	13,13	15,17
	11,11	11,11	NA	11,17	12,14	NA
	29,33.2	15,16	X,X	11,14	21,22	NA
	NA	28.2,29.2	9,9.3	8,9	16,17	
9U3T2X	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
9VKMZM	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
9WBTC7	Identifiler® Plus					
	-	23,24	-	15,17	-	11,12
1	-	11,11	12,13	-	-	-
	11,11	11,11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

A7VL29	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
A8VBU7	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
AAT3D3	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
ACZ92P	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
AKDCZB	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
AKUJ8D	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
ALTJCK	Investigator® 24plex QS					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

AT9AVQ	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
AU8B2H	Investigator® 24plex Go					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
AW7X2Y	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
AX8GH9	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
AXXWFX	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
B2XDHJ	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
B8PHD9	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

B9ZKZ8	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
BRRHC8	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
BVTCHP	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
BXTWT3	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
BY97XM	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
BYVATH	Investigator® 24plex Go!					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
C3B68U	Investigator® 24plex 24PLEX GO!					
	16,17.3	23,24	10,11.3	15,17	N/A	11,12
1	N/A	11,11	12,13	N/A	13,13	15,17
	11,11	11,11	N/A	11,17	12,14	N/A
	29,33.2	15,16	X,X	11,14	21,22	N/A
	N/A	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

CARXZ6	PowerPlex® FUSION					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
CCG4K3	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
CEZ4VC	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
CFZ2BD	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
		28.2,29.2	9,9.3	8,9	16,17	
CJXMZV	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
CMQT87	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
CVPA8C	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

CXFJ7J	PowerPlex® 21					
	16,17.3	23,24		15,17		11,12
	11,18	11,11	12,13			15,17
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
CYKAW8	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
	11	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
D27FQ3	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
D376N7	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
D7YDJZ	Identifiler®					
		23,24		15,17		11,12
	11,11	11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2			11,14	21,22	
		9,9.3	8,9	16,17		
D9QDJV	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
DA3YJJ	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	11	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

DGMZZV	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
DGNRX4	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
DQ9H33	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
DRGMKX	GlobalFiler™ Express					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.5,29.2	9,9.3	8,9	16,17	
DV9E3V	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17	N/A	11,12
1	N/A	11,11	12,13	N/A	13,13	15,17
	11,11	11,11	N/A	11,17	12,14	N/A
	29,33.2	15,16	X,X	11,14	21,22	N/A
	N/A	28.2,29.2	9,9.3	8,9	16,17	
DXBBTP	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
EDXDHT	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

EGHZG8	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	
			9,9.3	8,9	16,17	
EML9G9	PowerPlex® Fusion					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	9,9.3	8,9	16,17	11,12
EQJPRG	PowerPlex® Fusion 6C					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	28.2,29.2	9,9.3	8,9	16,17
EVY4D3	PowerPlex® Fusion 6C					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	28.2,29.2	9,9.3	8,9	16,17
EX87QL	GlobalFiler™					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
			28.2,29.2	9,9.3	8,9	16,17
F3CHVX	Identifiler®					
		23,24		15,17		11,12
1		11,11	12,13			
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	
			9,9.3	8,9	16,17	
F49Q8N	PowerPlex® Fusion 6C					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	28.2,29.2	9,9.3	8,9	16,17

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

F7DJV	NGM SElect					
	16,17.3	23,24	10,11.3	15,17		
	1		12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	XX	21,22	
		28.2,29.2	9,9.3		16,17	
F8NJYG	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13	15,17
		11		11,17	12,14	
		29,33.2	15,16	X	11,14	21,22
		12,14	9,9.3	8,9	16,17	
FJ3A7Y	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13	15,17
		11		11,17	12,14	
		29,33.2	15,16	X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
FJ3DEF	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13	15,17
		11		11,17	12,14	
		29,33.2	15,16	X	11,14	21,22
		12,14	9,9.3	8,9	16,17	
FNTUHT	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11	11,11	11,17	12,14	
		29,33.2	15,16	XX	11,14	21,22
		12,14	28.2,29.2	9,9.3	8,9	16,17
FZREB8	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11	11,11	11,17	12,14	
		29,33.2	15,16	XX	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
G8K9LB	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13	15,17
		11	11	11,17	12,14	
		29,33.2	15,16	X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

G9W3AX	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,22	
			9,9.3	8,9	16,17	
GDALPJ	GlobalFiler™					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
GQGH6F	Investigator® 24plex QS					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		28.2,29.2	9,9.3	8,9	16,17	
GQJ767	PowerPlex® Fusion					
		23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
		11		11,17	12,14	
		29,33.2	15,16	X	11,14	21,22
		12,14	9,9.3	8,9	16,17	
GUE694	PowerPlex® Fusion 6C					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	28.2,29.2	9,9.3	8,9	16,17
GXVA8X	Identifiler®					
		23,24		15,17		11,12
1		11,11	12,13			
		11,11		11,17	12,14	
		29,33.2	X,X	11,14	21,21.2	
			9,9.3	8,9	16,17	
H4HG6X	PowerPlex® FUSION					
		23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
		11,11		11,17	12,14	
		29,33.2	15,16	X,X	11,14	21,22
		12,14	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

H4MWKJ	GlobalFiler™ Express					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
H6W2VL	GlobalFiler™ Express					
	16,17.3	23,24	10,11.3	15,17	-	11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11	-	11,17	12,14	-
	29,33.2	15,16	X,X	11,14	21,22	-
		28.2,29.2	9,9.3	8,9	16,17	
H82MRY	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
H9Q3TU	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
HDMRA2	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
HEXPMJ	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
HJFH8Y	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

HRPZCP	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
HUCN2W	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
HVQACJ	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
J3N9GD	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
J6PC7F	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
J72YX2	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
JB8A9	Identifiler®					
		23,24		15,17		11,12
1		11	12,13			
	11	11		11,17	12,14	
	29,33.2		X	11,14	21,22	
			9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

JBYQU7	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
K3J2XH	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
K9AJA9	Identifiler®					
		23,24		15,17		11,12
1		11	12,13			
	11	11		11,17	12,14	
	29,33.2		X	11,14	21,22	
			9,9.3	8,9	16,17	
KGEDFU	GlobalFiler™ EXPRESS					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
KHCYV8	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
KHR3ND	Identifiler® Direct					
	-	23,24	-	15,17	-	11,12
1		11	12,13		-	-
	11	11		11,17	12,14	
	29,33.2	-	X,X	11,14	21,22	
	-	-	9,9.3	8,9	16,17	
KLUYD9	Identifiler®					
		23,24		15,17		11,12
1		11	12,13			
	11	11		11,17	12,14	
	29,33.2		X	11,14	21,22	
			9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

KTD479	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
KU3WVK	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17	N/A	11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11	N/A	11,17	12,14	N/A
	29,33.2	15,16	X,X	11,14	21,22	N/A
	N/A	28.2,29.2	9,9.3	8,9	16,17	
L2F4UZ	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
L8UG2F	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
LC6RTA	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
LFZNC9	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
LP88QX	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

LPLWRP	NGM SElect					
	16,17.3	23,24	10,11.3	15,17		
	1		12,13		13	15,17
		11		11,17	12,14	
	29,33.2	15,16	X		21,22	
	28.2,29.2	9,9.3		16,17		
LVT96P	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
M2ZY2U	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
M8NR83	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	9,9.3	8,9	16,17		
MB2PGA	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
MEMCCH	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17	-	11,12
	1		12,13		13,13	15,17
		11,11		11,17	12,14	-
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
MP29CF	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
	1		12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

MUHT32	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
MXZTK3	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
MYTRTA	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
MZZ4AB	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
N4DDQL	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	XX	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
N8JPY9	Investigator® 24plex, MiniFiler					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
NA9X64	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

NBH8VF	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13	11,17	13,13	15,17
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
NHGJ6Q	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13	11,17	13,13	15,17
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
NJCB2X	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	11	11	12,13	11,17	13	15,17
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
NP2N68	Investigator® 24plex QS					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13	11,17	13,13	15,17
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
NQULCD	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	11,11	11,11	12,13	11,17	13,13	15,17
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
NZ2DL9	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	11	11	12,13	11,17	13	15,17
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
P2ANFQ	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17	not tested	11,12
	not tested	11,11	12,13	not tested	13,13	15,17
	11,11	11,11	not tested	11,17	12,14	not tested
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

P82VYY	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
PA4VWB	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
PC9L4Q	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
PEFQQM	NGM SElect					
	16,17.3	23,24	10,11.3	15,17		
1			12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X		21,22	
		28.2,29.2	9,9.3		16,17	
PFBJCX	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
PFQRCL	NGM SElect					
	16,17.3	23,24	10,11.3	15,17		
1			12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X		21,22	
		28.2,29.2	9,9.3		16,17	
PJRW9E	GlobalFiler™ Express					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

PJTLEW	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
PK2WBZ	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
PLJNM7	Identifiler® ID Plus Kit					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
PMMPZN	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
PQRDL6	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
PQT27P	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
QAWBH7	Identifiler® Direct					
	-	23,24	-	15,17	-	11,12
1		11	12,13	-	-	-
	11	11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

QBBKNL	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
QC6G48	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
QGZAW3	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17	NA	11,12
1	NA	11,11	12,13	NA	13,13	15,17
	11,11	11,11	NA	11,17	12,14	NA
	29,33.2	15,16	X,X	11,14	21,22	NA
	NA	28.2,29.2	9,9.3	8,9	16,17	
QH8GCN	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
QQ2PQN	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
QTQTPM	GlobalFiler™ Express					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
QXJZ4N	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

R3FVU4	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
RAFAJB	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
RC28FF	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
RFMZJV	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
RKD97B	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
RPQVZF	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
RUHAEN	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

T8YL7N	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
TBQJ2A	GlobalFiler™, GlobalFiler Express					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
TCGW8Y	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
TH88GX	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
U6ZLUY	Investigator® 24plex GO!					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
U767JJ	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
UAN7VT	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

UE3XPT	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
UHKX8T	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
UJWX4N	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
UMCAZ6	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
UR6J3P	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
UUUMXH	PowerPlex® ESX17, FUSION					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
UXCVAN	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

UXXG9	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
UZ3833	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	9,9.3	8,9	16,17		
V3MDZ4	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
V73ZJV	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
V9A4LY	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	9,9.3	8,9	16,17		
VK73FQ	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
W8D32T	Investigator® 24plex QS					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

WDH2BX	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
WE98QN	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
WGFHMR	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
WLAECJ	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
WPTENR	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	9,9.3	8,9	16,17		
WRZYA8	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
	28.2,29.2	9,9.3	8,9	16,17		
WVZZK3	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
	1	11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	9,9.3	8,9	16,17		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

WX7K83	PowerPlex® ESX 17 Fast System					
	16,17.3	23,24	10,11.3	15,17		
1			12,13		13,13	15,17
		11,11		11,17	12,14	
	29,33.2	15,16	X,X		21,22	
		28.2,29.2	9,9.3		16,17	
X2KKZM	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
X4APXZ	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
X6KMXB	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
XERBW4	PowerPlex® Fusion					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	
XTBTYV	Investigator® 24plex					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
XU4Q47	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

XUEXXL	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
XYD3Z7	Investigator® 24plex GO					
	16,17.3	23,24	10,11.3	15,17	N/A	11,12
1		11,11	12,13	N/A	13,13	15,17
	11,11	11,11	N/A	11,17	12,14	N/A
	29,33.2	15,16	X,X	11,14	21,22	N/A
	N/A	28.2,29.2	9,9.3	8,9	16,17	
XZ4HYF	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
YA8UVA	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
YE4JCG	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
YGCEBT	Investigator® 24plex GO					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
YT8VVM	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

YVNABG	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
Z2TER8	Identifiler® Plus					
		23,24		15,17		11,12
1		11,11	12,13			
	11,11	11,11		11,17	12,14	
	29,33.2		X,X	11,14	21,22	
			9,9.3	8,9	16,17	
Z38PJK	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
Z9W8ZG	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
ZANCGV	Investigator® 24plex QS					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
ZCDLTH	GlobalFiler™					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11	12,13		13	15,17
	11	11		11,17	12,14	
	29,33.2	15,16	X	11,14	21,22	
		28.2,29.2	9,9.3	8,9	16,17	
ZEWWCE	PowerPlex® Fusion 5C					
	16,17.3	23,24	10,11.3	15,17		11,12
1		11,11	12,13		13,13	15,17
	11,11	11,11		11,17	12,14	
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14		9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 1 - STR Results

ZJAKYW	Identifiler® Direct					
	-	23,24	-	15,17	-	11,12
1	-	11	12,13	-	-	-
	11	11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	
ZTMA4W	Identifiler® Plus					
	-	23,24	-	15,17	-	11,12
1	-	11,11	12,13	-	-	-
	11,11	11,11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	
ZWKT8G	PowerPlex® Fusion 6C					
	16,17.3	23,24	10,11.3	15,17	-	11,12
1	-	11,11	12,13	-	13,13	15,17
	11,11	11,11	-	11,17	12,14	-
	29,33.2	15,16	X,X	11,14	21,22	11,12
	12,14	28.2,29.2	9,9.3	8,9	16,17	
ZXVZ2W	Identifiler® Direct					
	-	23,24	-	15,17	-	11,12
1	-	11	12,13	-	-	-
	11	11	-	11,17	12,14	-
	29,33.2	-	X,X	11,14	21,22	-
	-	-	9,9.3	8,9	16,17	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

2BD34L	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
2BU6ME	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
2CU2J4	Investigator® 24plex GO					
	11,17.3	17,19	10,10	14,15	N/A	12,12
2	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
2D39NH	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
2KLG99	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
2KMA7F	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
2MR2UM	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

2N4Q78	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
2XPXPV	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
328EQE	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
33XURA	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
348R7R	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
34QQBC	PowerPlex® 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
3KXQDE	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

3LFHPJ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
3Q69LE	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
3Z8LNZ	PowerPlex® ESX17, GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
3ZACVH	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
3ZUVZP	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
42M69X	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
42ZRQC	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

48Q3YP	Investigator® 24plex GO!					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
49MFLH	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
4CK4Z4	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
4EQJCG	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
4F2D4A	Identifiler®					
	-	17,19	-	14,15	-	12,12
2		11,12	11,14		-	-
	10,12	11,12	-	14,17	14,14	-
	28,29	-	X,Y	11,13	20,20	-
	-	-	6,7	11,11	17,18	
4J2FE6	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
4QGA48	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

4UJ43C	Identifiler® +	17,19		14,15		12,12
2		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
63PFKR	Investigator® 24plex	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
63UZAF	GlobalFiler™	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
63Y7ZQ	GlobalFiler™	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
66C7JB	PowerPlex® fusion 6c	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	15,29.2	6,7	11,11	17,18
66J68T	GlobalFiler™	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
6BJHWB	PowerPlex® Fusion 5C	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

6GDMGT	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
6H3TXJ	PowerPlex® Fusion					
		17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	6,7	11,11	17,18	
6KAYR8	PowerPlex® Fusion 6C					
		17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	10,13
		14,16	6,7	11	17,18	
6N9HJX	PowerPlex® Fusion 6C					
		17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	10,13
		14,16	6,7	11	17,18	
6PLYUP	PowerPlex® Fusion					
		17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	10,13
		14,16	6,7	11	17,18	
6QXP4U	PowerPlex® Fusion					
		17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	10,13
		14,16	6,7	11	17,18	
7D8GHD	PowerPlex® 6C					
		17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	6,7	11,11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

7G9E3D	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
7L4CGW	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
7TX9E8	Identifiler®					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
7VNHK3	Identifiler®					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
7XWHRU	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
8369N9	Identifiler®					
	-	17,19	-	14,15	-	12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29	-	X,Y	11,13	20,20	
			6,7	11,11	17,18	
83PXXG	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

84GXYX	Investigator® 24plex GO!					
	11,17.3	17,19	10,10	14,15	N/A	12,12
2	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
86UPRF	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
87MJMX	Identifiler® Direct					
		17,19		14,15		12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	
89T4BX	Identifiler® Direct					
		17,19		14,15		12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	
8JPA4W	Identifiler®, Investigator® 24plex GO					
	11,17.3	17,19	10,10	14,15	N/A	12,12
2	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.3	6,7	11,11	17,18	
8K3NUQ	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
8M4WRA	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

8PVU32	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
8RMYRT	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
968GFP	Identifiler® Plus, Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
96MZZM	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
98BGAV	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
9F7JER	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
9GZ3JZ	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

9HUQ6G	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
9KXLJD	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
9PTKNA	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
9QMYML	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15	NA	12,12
2	NA	11,12	11,14	NA	15,16	15,23
	10,12	11,12	NA	14,17	14,14	NA
	28,29	15,17	X,Y	11,13	20,20	NA
	NA	15,29.2	6,7	11,11	17,18	
9U3T2X	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
9VKMZM	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
9WBTC7	Identifiler® Plus					
	-	17,19	-	14,15	-	12,12
2	-	11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14,14	-
	28,29	-	X,Y	11,13	20,20	-
	-	-	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

A7VL29	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
A8VBU7	PowerPlex® FUSION					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
AAT3D3	Identifiler® Plus					
		17,19		14,15		12,12
2	11,12		11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
ACZ92P	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
AKDCZB	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
AKUJ8D	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
ALTJCK	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

AT9AVQ	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
AU8B2H	Investigator® 24plex Go					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
AW7X2Y	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
AX8GH9	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
AXXWFX	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
B2XDHJ	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
B8PHD9	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

B9ZKZ8	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
BRRHC8	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
BVTCHP	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
BXTWT3	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
BY97XM	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
BYVATH	Investigator® 24plex Go!					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
C3B68U	Investigator® 24plex 24 PLEX GO!					
	11,17.3	17,19	10,10	14,15	N/A	12,12
2	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

CARXZ6	PowerPlex® FUSION					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
CCG4K3	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
CEZ4VC	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
CFZ2BD	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
CJXMZV	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
CMQT87	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
CVPA8C	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

CXFJ7J	PowerPlex® 21					
	11,17.3	17,19		14,15		12,12
2	11,13	11,12	11,14			15,23
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
CYKAW8	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
D27FQ3	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
D376N7	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
D7YDJZ	Identifiler®					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29			11,13	20,20	
			6,7	11,11	17,18	
D9QDJV	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
DA3YJJ	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

DGMZZV	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
DGNRX4	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
DQ9H33	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
DRGMKX	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
DV9E3V	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15	N/A	12,12
2	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
DXBBTP	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
EDXDHT	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

EGHZG8	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
EML9G9	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
EQJPRG	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
EVY4D3	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
EX87QL	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
F3CHVX	Identifiler®					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
F49Q8N	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

F7DJV	NGM SElect					
	11,17.3	17,19	10,10	14,15		
2			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
F8NJYG	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
FJ3A7Y	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
FJ3DEF	PowerPlex® Fusion 5C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
FNTUHT	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
FZREB8	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
G8K9LB	Investigator® 24plex GO!					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

G9W3AX	PowerPlex® 5C						
	11,17.3	17,19	10,10	14,15		12,12	
	2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14		
	28,29	15,17	X,Y	11,13	20,20	10,13	
	14,16		6,7	11,11	17,18		
GDALPJ	GlobalFiler™						
	11,17.3	17,19	10,10	14,15		12,12	
	2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14		
	28,29	15,17	X,Y	11,13	20,20		
		15,29.2	6,7	11,11	17,18		
GQGH6F	Investigator® 24plex QS						
	11,17.3	17,19	10,10	14,15		12,12	
	2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14		
	28,29	15,17	X,Y	11,13	20,20		
		15,29.2	6,7	11,11	17,18		
GQJ767	PowerPlex® Fusion						
	11,17.3	17,19	10	14,15		12	
	2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14		
	28,29	15,17	X,Y	11,13	20	10,13	
	14,16		6,7	11	17,18		
GUE694	PowerPlex® Fusion 6C						
	11,17.3	17,19	10,10	14,15		12,12	
	2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14		
	28,29	15,17	X,Y	11,13	20,20	10,13	
	14,16	15,29.2	6,7	11,11	17,18		
GXVA8X	Identifiler®						
		17,19		14,15		12,12	
	2		11,12	11,14			
	10,12	11,12		14,17	14,14		
	28,29		X,Y	11,13	20,20		
		6,7	11,11	17,18			
H4HG6X	PowerPlex® FUSION						
	11,17.3	17,19	10,10	14,15		12,12	
	2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14		
	28,29	15,17	X,Y	11,13	20,20	10,13	
	14,16		6,7	11,11	17,18		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

H4MWKJ	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
	15,29.2	6,7	11,11	17,18		
H6W2VL	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15	-	12,12
	2	11,12	11,14	-	15,16	15,23
	10,12	11,12	-	14,17	14,14	-
	28,29	15,17	X,Y	11,13	20,20	-
	-	15,29.2	6,7	11,11	17,18	
H82MRY	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
	15,29.2	6,7	11	17,18		
H9Q3TU	Identifiler® Plus					
		17,19		14,15		12,12
	2	11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
		6,7	11,11	17,18		
HDMRA2	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
HEXPMJ	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
	15,29.2	6,7	11	17,18		
HJFH8Y	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

HRPZCP	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
HUCN2W	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
HVQACJ	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
J3N9GD	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
J6PC7F	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
J72YX2	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
JB8A9	Identifiler®					
		17,19		14,15		12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

JBYQU7	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
K3J2XH	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
K9AJA9	Identifiler®					
		17,19		14,15		12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	
KGEDFU	GlobalFiler™ EXPRESS					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
KHCYV8	Investigator® 24plex GO!					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
KHR3ND	Identifiler® Direct					
	-	17,19	-	14,15	-	12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29	-	X,Y	11,13	20	
			6,7	11	17,18	
KLUYD9	Identifiler®					
		17,19		14,15		12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

KTD479	PowerPlex® Fusion 6C					
		11,17.3	17,19	10	14,15	12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
	14,16	15,29.2	6,7	11	17,18	
KU3VWK	Investigator® 24plex GO!					
		11,17.3	17,19	10,10	14,15	N/A
	2		11,12	11,14	N/A	15,16
		10,12	11,12	N/A	14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	N/A	15,29.2	6,7	11,11	17,18	
L2F4UZ	PowerPlex® Fusion					
		11,17.3	17,19	10,10	14,15	12,12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16		6,7	11,11	17,18	
L8UG2F	Identifiler® Plus					
			17,19		14,15	12,12
	2		11,12	11,14		
		10,12	11,12		14,17	14,14
		28,29		X,Y	11,13	20,20
			6,7	11,11	17,18	
LC6RTA	GlobalFiler™					
		11,17.3	17,19	10	14,15	12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
		15,29.2	6,7	11	17,18	
LFZNC9	PowerPlex® Fusion					
		11,17.3	17,19	10	14,15	12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
	14,16		6,7	11	17,18	
LP88QX	PowerPlex® Fusion 6C					
		11,17.3	17,19	10	14,15	12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

LPLWRP	NGM SElect					
	11,17.3	17,19	10	14,15		
2			11,14		15,16	15,23
		11,12		14,17	14	
	28,29	15,17	X,Y		20	
		15,29.2	6,7		17,18	
LVT96P	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
M2ZY2U	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
M8NR83	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
MB2PGA	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
MEMCCH	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
MP29CF	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

MUHT32	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
MXZTK3	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
MYTRTA	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
MZZ4AB	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
N4DDQL	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
N8JPY9	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
NA9X64	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

NBH8VF	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
	15,29.2	6,7	11,11	17,18		
NHGJ6Q	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
	15,29.2	6,7	11,11	17,18		
NJCB2X	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	6,7	11	17,18		
NP2N68	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
	15,29.2	6,7	11,11	17,18		
NQULCD	PowerPlex® FUSION					
	11,17.3	17,19	10,10	14,15		12,12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	6,7	11,11	17,18		
NZ2DL9	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
	2	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
	15,29.2	6,7	11	17,18		
P2ANFQ	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15	not tested	12,12
	2	not tested	11,12	11,14	not tested	15,16
	10,12	11,12	not tested	14,17	14,14	not tested
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

P82VYY	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
PA4VWB	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
PC9L4Q	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
PEFQQM	NGM SElect					
	11,17.3	17,19	10,10	14,15		
2			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
PFBJCX	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
PFQRCL	NGM SElect					
	11,17.3	17,19	10,10	14,15		
2			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
PJRW9E	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
2	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

PJTLEW	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
PK2WBZ	Investigator® 24plex, MiniFiler					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
PLJNM7	Identifiler® ID Plus Kit					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
PMMPZN	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
PQRDL6	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
PQT27P	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
QAWBH7	Identifiler® Direct					
	-	17,19	-	14,15	-	12
2		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29	-	X,Y	11,13	20	
	-	-	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

QBBKNL	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
QC6G48	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
QGZAW3	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15	NA	12,12
2	NA	11,12	11,14	NA	15,16	15,23
	10,12	11,12	NA	14,17	14,14	NA
	28,29	15,17	X,Y	11,13	20,20	NA
	NA	15,29.2	6,7	11,11	17,18	
QH8GCN	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
QQ2PQN	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
QTQTPM	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
QXJZ4N	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

R3FVU4	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
RAFAJB	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
RC28FF	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
RFMZJV	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
RKD97B	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
RPQVZF	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
RUHAEN	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

T8YL7N	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
TBQJ2A	GlobalFiler™, GlobalFiler Express					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
TCGW8Y	Investigator® 24plex GO!					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
TH88GX	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
U6ZLUY	Investigator® 24plex GO!					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
U767JJ	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
UAN7VT	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

UE3XPT	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
UHKX8T	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
UJWX4N	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
UMCAZ6	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
UR6J3P	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
UUUMXH	PowerPlex® ESX17, FUSION					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
UXCVAN	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

UXXGX9	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
UZ3833	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
V3MDZ4	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
V73ZJV	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
V9A4LY	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
VK73FQ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
W8D32T	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

WDH2BX	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
WE98QN	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
WGFHMR	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
WLAECJ	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
WPTENR	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
WRZYA8	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
WVZZK3	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

WX7K83	PowerPlex® ESX 17 Fast System					
	11,17.3	17,19	10,10	14,15		
2			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
X2KKZM	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
X4APXZ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
X6KMXB	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
XERBW4	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
XTBTYV	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
XU4Q47	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

XUEXXL	PowerPlex® Fusion 6C					
		11,17.3	17,19	10,10	14,15	12,12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16	15,29.2	6,7	11,11	17,18	
XYD3Z7	Investigator® 24plex GO/QS					
		11,17.3	17,19	10,10	14,15	N/A
	2		11,12	11,14	N/A	15,16
		10,12	11,12	N/A	14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	N/A	15,29.2	6,7	11,11	17,18	
XZ4HYF	GlobalFiler™					
		11,17.3	17,19	10,10	14,15	12,12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
		15,29.2	6,7	11,11	17,18	
YA8UVA	PowerPlex® Fusion 6C					
		11,17.3	17,19	10,10	14,15	12,12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16	15,29.2	6,7	11,11	17,18	
YE4JCG	PowerPlex® Fusion 6C					
		11,17.3	17,19	10,10	14,15	12,12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16	15,29.2	6,7	11,11	17,18	
YGCEBT	Investigator® 24plex GO					
		11,17.3	17,19	10	14,15	12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
		15,29.2	6,7	11	17,18	
YT8VVM	PowerPlex® Fusion 6C					
		11,17.3	17,19	10	14,15	12
	2		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

YVNABG	Identifiler® Plus	17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
Z2TER8	Identifiler® Plus	17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
Z38PJK	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
2	11,17.3					
		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
Z9W8ZG	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
2	11,17.3					
		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
ZANCGV	Investigator® 24plex QS	17,19	10,10	14,15		12,12
2	11,17.3					
		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
ZCDLTH	GlobalFiler™	17,19	10	14,15		12
2	11,17.3					
		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
ZEWUCE	PowerPlex® Fusion 5C	17,19	10,10	14,15		12,12
2	11,17.3					
		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 2 - STR Results

ZJAKYW	Identifiler® Direct					
	-	17,19	-	14,15	-	12
2	-	11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14	-
	28,29	-	X,Y	11,13	20	-
	-	-	6,7	11	17,18	
ZTMA4W	Identifiler® Plus					
		17,19		14,15		12,12
2		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
ZWKT8G	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
2		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
ZXVZ2W	Identifiler® Direct					
	-	17,19	-	14,15	-	12
2	-	11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14	-
	28,29	-	X,Y	11,13	20	-
	-	-	6,7	11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

2BD34L	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
2BU6ME	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
2CU2J4	Identifiler®, Investigator® 24plex QS					
	11,12	21,25	11,14	17,18	N/A	12,13
3	N/A	10,11	10,12	N/A	13,16	15,17.3
	8,13	13,13	N/A	10,13	15,15	N/A
	30,32.2	15,16	X,X	10,11	19,20	N/A
	N/A	19,28.2	9,9.3	8,11	14,16	
2D39NH	Identifiler® Plus					
		21,25		17,18		12,13
3	10,11		10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
2KLG99	PowerPlex® 16					
				17,18		12,13
3	10,11		10,12			
	8,13	13,13		10,13		
	30,32.2		X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
2KMA7F	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
2MR2UM	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

2N4Q78	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
2XPXPV	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
328EQE	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
33XURA	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
348R7R	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
34QQBC	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
3KXQDE	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

3LFHPJ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
3Q69LE	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
3Z8LNZ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
3ZACVH	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
3ZUVZP	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
42M69X	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
42ZRQC	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

49MFLH	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
4CK4Z4	PowerPlex® Fusion 5C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	9,9.3	8,11	14,16		
4EQJCG	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
4F2D4A	Identifiler®					
	-	21,25	-	17,18	-	12,13
	3	10,11	10,12	-	-	-
	8,13	13,13	-	10,13	15,15	-
	30,32.2	-	X,X	10,11	19,20	-
	-	9,9.3	8,11	14,16		
4J2FE6	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
4QGA48	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
4UJ43C	Identifiler® +					
		21,25		17,18		12,13
	3	10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
		9,9.3	8,11	14,16		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

63PFKR	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
63UZAF	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
63Y7ZQ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
66C7JB	PowerPlex® Fusion 6c					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
66J68T	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
6BJHWB	PowerPlex® Fusion 5C, Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
6GDMGT	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

6H3TXJ	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
6KAYR8	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
6N9HJX	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
6PLYUP	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
6QXP4U	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
7D8GHD	PowerPlex® 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
7G9E3D	PowerPlex® Fusion 6c					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

7L4CGW	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
7TX9E8	Identifiler®					
			21,25		17,18	12,13
	3		10,11	10,12		
		8,13	13,13		10,13	15,15
		30,32.2		X,X	10,11	19,20
			9,9.3	8,11	14,16	
7VNHK3	Identifiler® Plus					
			21,25		17,18	12,13
	3		10,11	10,12		
		8,13	13,13		10,13	15,15
		30,32.2		X,X	10,11	19,20
			9,9.3	8,11	14,16	
8369N9	Identifiler®					
		-	21,25	-	17,18	-
	3		10,11	10,12	-	-
		8,13	13,13	-	10,13	15,15
		30,32.2	-	X,X	10,11	19,20
	-	-	9,9.3	8,11	14,16	
83PXXG	GlobalFiler™					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
		19,28.2	9,9.3	8,11	14,16	
84GXYX	Identifiler®, Investigator® 24plex QS					
		11,12	21,25	11,14	17,18	N/A
	3		10,11	10,12	N/A	13,16
		8,13	13,13	N/A	10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
	N/A	19,28.2	9,9.3	8,11	14,16	
86UPRF	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

87MJMX	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13		10,13	15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
89T4BX	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13		10,13	15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
8JPA4W	Identifiler®, Investigator® 24plex QS					
	11,12	21,25	11,14	17,18	N/A	12,13
3	N/A	10,11	10,12	N/A	13,16	15,17.3
	8,13	13,13	N/A	10,13	15,15	N/A
	30,32.2	15,16	X,X	10,11	19,20	N/A
	N/A	19,28.2	9,9.3	8,11	14,16	
8K3NUQ	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
8M4WRA	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
8PVU32	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
8RMYRT	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

968GFP	Identifiler® Plus, Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
96MZZM	Investigator® 24plex QS					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
98BGAV	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
9F7JER	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
9GZ3JZ	Identifiler®					
		21,25		17,18		12,13
3	10,11		10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		XX	10,11	19,20	
			9,9.3	8,11	14,16	
9HUQ6G	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
9KXLJD	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11		10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

9PTKNA	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
9QMYML	Investigator® 24plex					
		11,12	21,25	11,14	17,18	NA
	3		10,11	10,12	NA	13,16
		8,13	13,13	NA	10,13	15,15
		30,32.2	15,16	XX	10,11	19,20
	NA	19,28.2	9,9.3	8,11	14,16	
9U3T2X	PowerPlex® Fusion 5C/6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	XX	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
9VKMZM	PowerPlex® Fusion					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13		9,9.3	8,11	14,16	
9WBTC7	Identifiler® Plus					
		-	21,25	-	17,18	-
	3		10,11	10,12	-	-
		8,13	13,13	-	10,13	15,15
		30,32.2	-	XX	10,11	19,20
	-	-	9,9.3	8,11	14,16	
A7VL29	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	XX	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
A8VBU7	PowerPlex® FUSION					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	XX	10,11	19,20
	5,13		9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

AAT3D3	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
ACZ92P	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
AKUJ8D	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
ALTJCK	Investigator® 24plex QS					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
AT9AVQ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
AW7X2Y	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
AX8GH9	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

AXXWFX	PowerPlex® Fusion 5C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
	5,13		9,9.3	8,11	14,16	
B2XDHJ	Identifiler® Plus					
			21,25		17,18	12,13
	3		10,11	10,12		
		8,13	13,13		10,13	15,15
		30,32.2		X,X	10,11	19,20
			9,9.3	8,11	14,16	
B8PHD9	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
B9ZKZ8	PowerPlex® Fusion					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
	5,13		9,9.3	8,11	14,16	
BRRHC8	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
BVTCHP	Identifiler® Plus					
			21,25		17,18	12,13
	3		10,11	10,12		
		8,13	13,13		10,13	15,15
		30,32.2		X,X	10,11	19,20
			9,9.3	8,11	14,16	
BXTWT3	PowerPlex® PPF-6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

BY97XM	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
CARXZ6	PowerPlex® FUSION					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
CCG4K3	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
CEZ4VC	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
CFZ2BD	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
CJXMZV	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
CMQT87	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

CVPA8C	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15,15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
CXFJ7J	PowerPlex® 21					
	11,12	21,25		17,18		12,13
3		10,11	10,12			15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
CYKAW8	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
D27FQ3	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
D376N7	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
D7YDJZ	Identifiler®					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2			10,11	19,20	
			9,9.3	8,11	14,16	
D9QDJV	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

DA3YJJ	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,15	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
DGMZZV	PowerPlex® Fusion 5C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
DGNRX4	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
DQ9H33	PowerPlex® 16					
				17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13		
	30,32.2		X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
DRGMKX	GlobalFiler™ Express					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
DV9E3V	Identifiler® Plus					
	N/A	21,25	N/A	17,18	N/A	12,13
3	N/A	10,11	10,12	N/A	N/A	N/A
	8,13	13,13	N/A	10,13	15,15	N/A
	30,32.2	N/A	X,X	10,11	19,20	N/A
	N/A	N/A	9,9.3	8,11	14,16	
EDXDHT	PowerPlex® Fusion 5C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3 - STR Results

EGHZG8	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
EML9G9	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
EQJPRG	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
EVY4D3	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
EX87QL	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
		19,28.2	9,9.3	8,11	14,16	
F3CHVX	Identifiler®					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
F49Q8N	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

F7DJV	NGM SElect					
	11,12	21,25	11,14	17,18		
3			10,12		13,16	15,17.3
		13,13		10,13	15,15	
	30,32.2	15,16	XX		19,20	
		19,28.2	9,9.3		14,16	
F8NJYG	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3			10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
FJ3A7Y	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3			10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
FJ3DEF	PowerPlex® Fusion 5C					
	11,12	21,25	11,14	17,18		12,13
3			10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
FNTUHT	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3			10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
FZREB8	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3			10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
G9W3AX	Identifiler® Plus					
		21,25		17,18		12,13
3			10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		XX	10,11	19,20	
			9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

GDALPJ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3	10,11					
	8,13	13,13		10,13	15,15	
	30,32.2					
		15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
GQGH6F	Investigator® 24plex QS					
	11,12	21,25	11,14	17,18		12,13
3	10,11					
	8,13	13,13		10,13	15,15	
	30,32.2					
		15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
GQJ767	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3	10,11					
	8,13	13		10,13	15	
	30,32.2					
		15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
GUE694	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3	10,11					
	8,13	13,13		10,13	15,15	
	30,32.2					
		15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
GXVA8X	Identifiler®					
		21,25		17,18		12,13
3	10,11					
	8,13	13,13		10,13	15,15	
	30,32.2					
			XX	10,11	19,20	
			9,9.3	8,11	14,16	
H4HG6X						
	11,12	21,25	11,14	17,18		12,13
3	10,11					
	8,13	13,13		10,13	15,15	
	30,32.2					
		15,16	XX	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
H6W2VL	GlobalFiler™					
	11,12	21,25	11,14	17,18	-	12,13
3	-					
	8,13	13,13	-	10,13	15,15	-
	30,32.2					
		15,16	XX	10,11	19,20	-
	-	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

H82MRY	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
H9Q3TU	Identifiler® Plus					
	21,25			17,18		12,13
	3	10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
		9,9.3	8,11	14,16		
HEXPMJ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
HJFH8Y	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
HRPZCP	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
HUCN2W						
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	9,9.3	8,11	14,16		
HVQACJ	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

J3N9GD	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
J6PC7F	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
JBYQU7	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
K3J2XH	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
KGEDFU	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
KHR3ND	Identifiler® Plus					
	-	21,25	-	17,18	-	12,13
3		10,11	10,12	-	-	-
	8,13	13	-	10,13	15	-
	30,32.2	-	XX	10,11	19,20	-
	-	-	9,9.3	8,11	14,16	
KTD479	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

KU3VWK	Identifiler®, Investigator® 24plex QS						
		11,12	21,25	11,14	17,18	N/A	12,13
	3	N/A	10,11	10,12	N/A	13,16	15,17.3
		8,13	13,13	N/A	10,13	15,15	N/A
		30,32.2	15,16	X,X	10,11	19,20	N/A
	N/A	19,28.2	9,9.3	8,11	14,16		
L2F4UZ	PowerPlex® Fusion						
		11,12	21,25	11,14	17,18		12,13
	3		10,11	10,12		13,16	15,17.3
		8,13	13,13		10,13	15,15	
		30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16		
L8UG2F	Identifiler® Plus						
			21,25		17,18		12,13
	3		10,11	10,12			
		8,13	13,13		10,13	15,15	
		30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16		
LC6RTA	GlobalFiler™						
		11,12	21,25	11,14	17,18		12,13
	3		10,11	10,12		13,16	15,17.3
		8,13	13		10,13	15	
		30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16		
LFXNC9	PowerPlex® Fusion						
		11,12	21,25	11,14	17,18		12,13
	3		10,11	10,12		13,16	15,17.3
		8,13	13		10,13	15	
		30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16		
LP88QX	PowerPlex® Fusion 6C						
		11,12	21,25	11,14	17,18		12,13
	3		10,11	10,12		13,16	15,17.3
		8,13	13		10,13	15	
		30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16		
LPLWRP	NGM SElect						
		11,12	21,25	11,14	17,18		
	3			10,12		13,16	15,17.3
			13		10,13	15	
		30,32.2	15,16	X		19,20	
		19,28.2	9,9.3		14,16		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

LVT96P	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
M2ZY2U	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
M8NR83	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
MB2PGA	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
MEMCCH	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15	-	12
3		11,12	11,14	-	15,16	15,23
	10,12	11,12	-	14,17	14	-
	28,29	15,17	XY	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
MP29CF	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
MUHT32	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

MXZTK3	Investigator® 24plex					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
		19,28.2	9,9.3	8,11	14,16	
MYTRTA	PowerPlex® Fusion					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13		9,9.3	8,11	14,16	
MZZ4AB	PowerPlex® Fusion					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13		9,9.3	8,11	14,16	
N4DDQL	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
N8JPY9	Investigator® 24plex					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
		19,28.2	9,9.3	8,11	14,16	
NA9X64	PowerPlex® Fusion 6C					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13		10,13	15
		30,32.2	15,16	X	10,11	19,20
	5,13	19,28.2	9,9.3	8,11	14,16	
NBH8VF	GlobalFiler™					
		11,12	21,25	11,14	17,18	12,13
	3		10,11	10,12		13,16
		8,13	13,13		10,13	15,15
		30,32.2	15,16	X,X	10,11	19,20
		19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

NHGJ6Q	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
NJCB2X	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	9,9.3	8,11	14,16		
NP2N68	Investigator® 24plex QS					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
NQULCD	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	9,9.3	8,11	14,16		
NZ2DL9	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
P2ANFQ	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18	not tested	12,13
	3	10,11	10,12	not tested	13,16	15,17.3
	8,13	13,13	not tested	10,13	15,15	not tested
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
P82VYY	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

PA4VWB	PowerPlex® 5C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
PC9L4Q	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
PEFQQM	NGM SElect					
	11,12	21,25	11,14	17,18		
3			10,12		13,16	15,17.3
		13,13		10,13	15,15	
	30,32.2	15,16	X,X		19,20	
		19,28.2	9,9.3		14,16	
PFBJCX						
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
PFQRCL	NGM SElect					
	11,12	21,25	11,14	17,18		
3			10,12		13,16	15,17.3
		13,13		10,13	15,15	
	30,32.2	15,16	X,X		19,20	
		19,28.2	9,9.3		14,16	
PJTLEW	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
PK2WBZ	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

PLJNM7	Identifiler® ID Plus Kit					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
PMMPZN	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
PQRDL6	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
PQT27P	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
QAWBH7	Identifiler® Plus					
	-	21,25	-	17,18	-	12,13
3		10,11	10,12	-	-	-
	8,13	13	-	10,13	15	-
	30,32.2	-	X,X	10,11	19,20	-
	-	-	9,9.3	8,11	14,16	
QBBKNL	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
QC6G48	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

QGZAW3	Investigator® 24plex					
	11,12	21,25	11,14	17,18	NA	12,13
	3	NA	10,11	10,12	NA	13,16
	8,13	13,13	NA	10,13	15,15	NA
	30,32.2	15,16	XX	10,11	19,20	NA
	NA	19,28.2	9,9.3	8,11	14,16	
QH8GCN	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	NA	10,11	10,12		13,16
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
QQ2PQN	Identifiler® Plus					
		21,25		17,18		12,13
	3	10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		XX	10,11	19,20	
		9,9.3	8,11	14,16		
QTQTPM	GlobalFiler™ Express					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
QXJZ4N	Identifiler® Plus					
		21,25		17,18		12,13
	3	10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		XX	10,11	19,20	
		9,9.3	8,11	14,16		
R3FVU4	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
RAFAJB	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

RC28FF	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
RFMZJV	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
RPQVZF	Identifiler® Plus					
		21,25		17,18		12,13
	3	10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
		9,9.3	8,11	14,16		
RUHAEN	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
T8YL7N	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
TBQJ2A	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
TH88GX	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

U767JJ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
UAN7VT	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
UE3XPT	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
UHKX8T	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
UJWX4N	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
UR6J3P	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
UUUMXH	PowerPlex® ESX17, FUSION					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

UXXG9	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
UZ3833	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
V3MDZ4	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
V73ZJV	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
V9A4LY	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
VK73FQ	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
W8D32T	Investigator® 24plex QS					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

WDH2BX	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
WE98QN	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	19,28.2	9,9.3	8,11	14,16		
WGFHMR	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
WLAECJ	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	19,28.2	9,9.3	8,11	14,16		
WPTENR	PowerPlex® Fusion					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	19,28.2	9,9.3	8,11	14,16		
WRZYA8	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
	3	10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
	19,28.2	9,9.3	8,11	14,16		
WX7K83	PowerPlex® ESX 17 Fast System					
	11,12	21,25	11,14	17,18		
	3		10,12		13,16	15,17.3
		13,13		10,13	15,15	
	30,32.2	15,16	X,X		19,20	
	19,28.2	9,9.3		14,16		

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

X2KKZM	Identifiler® Plus	21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
X4APXZ	GlobalFiler™	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
X6KMXB	PowerPlex® Fusion 6C	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
XERBW4	PowerPlex® Fusion	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
XTBTYV	Investigator® 24plex	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
XU4Q47	PowerPlex® Fusion 6C	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
XYD3Z7	Identifiler®, Investigator® 24plex QS	21,25	11,14	17,18	N/A	12,13
3		10,11	10,12	N/A	13,16	15,17.3
	8,13	13,13	N/A	10,13	15,15	N/A
	30,32.2	15,16	X,X	10,11	19,20	N/A
	N/A	19,28.2	9,9.3	8,11	14,16	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

XZ4HYF	Identifiler®					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		X,X	10,11	19,20	
			9,9.3	8,11	14,16	
YABUVA	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
YE4JCG	PowerPlex® 16					
				17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13		
	30,32.2		X,X	10,11	19,20	10,12
	5,13		9,9.3	8,11	14,16	
YT8VVM	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
YVNABG	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
Z2TER8	Investigator® 24plex					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
Z9W8ZG	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	X,X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 3 - STR Results

ZANCGV	Investigator® 24plex QS					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
ZCDLTH	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13		10,13	15	
	30,32.2	15,16	X	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
ZEVWCE	GlobalFiler™					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	
		19,28.2	9,9.3	8,11	14,16	
ZJAKYW	Identifiler® Plus					
	-	21,25	-	17,18	-	12,13
3		10,11	10,12	-	-	-
	8,13	13	-	10,13	15	-
	30,32.2	-	XX	10,11	19,20	-
	-	-	9,9.3	8,11	14,16	
ZTMA4W	Identifiler® Plus					
		21,25		17,18		12,13
3		10,11	10,12			
	8,13	13,13		10,13	15,15	
	30,32.2		XX	10,11	19,20	
			9,9.3	8,11	14,16	
ZWKT8G	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18		12,13
3		10,11	10,12		13,16	15,17.3
	8,13	13,13		10,13	15,15	
	30,32.2	15,16	XX	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
ZXVZ2W	Identifiler® Plus					
	-	21,25	-	17,18	-	12,13
3		10,11	10,12	-	-	-
	8,13	13	-	10,13	15	-
	30,32.2	-	XX	10,11	19,20	-
	-	-	9,9.3	8,11	14,16	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

2BD34L	PowerPlex® 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
2BU6ME	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
2CU2J4	Identifiler®, Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15	N/A	12,12
4	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
2D39NH	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
2KLG99	PowerPlex® 16					
				14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17		
	28,29		X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
2KMA7F	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
2MR2UM	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

2N4Q78	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
2XPXVP	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
328EQE	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
33XURA	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
348R7R	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
34QQBC	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
3KXQDE	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

3LFHPJ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
3Q69LE	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
3Z8LNZ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
3ZACVH	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
3ZUVZP	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
42M69X	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
42ZRQC	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

49MFLH	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
4CK4Z4	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
4EQJCG	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
4F2D4A	Identifiler®					
	-	17,19	-	14,15	-	12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29	-	X,Y	11,13	20,20	-
	-	-	6,7	11,11	17,18	
4J2FE6	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
4QGA48	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
4UJ43C	Identifiler® +					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

63PFKR	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
63UZAF	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
63Y7ZQ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
66C7JB	PowerPlex® fusion 6c					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
66J68T	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
6BJHWB	Identifiler®, PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
6GDMGT	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

6H3TXJ	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
6KAYR8	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
6N9HJX	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
6PLYUP	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
6QXP4U	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
7D8GHD	PowerPlex® 6C					
	11,17.3	17,19	10,10	14,15		12,12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
7G9E3D	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4	11,12		11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

7L4CGW	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
7TX9E8	Identifiler®					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
7VNHK3	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
8369N9	Identifiler®					
	-	17,19	-	14,15	-	12,12
4	-	11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14,14	-
	28,29	-	X,Y	11,13	20,20	-
	-	-	6,7	11,11	17,18	
83PXXG	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
84GXYX	Identifiler®, Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15	N/A	12,12
4	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
86UPRF	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

87MJMX	Identifiler® Plus	17,19		14,15		12
4		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	
89T4BX	Identifiler® Plus	17,19		14,15		12
4		11,12	11,14			
	10,12	11,12		14,17	14	
	28,29		X,Y	11,13	20	
			6,7	11	17,18	
8JPA4W	Identifiler®, Investigator® 24plex QS	17,19	10,10	14,15	N/A	12,12
4		11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
8K3NUQ	PowerPlex® Fusion	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
8M4WRA	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
8PVU32	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
8RMYRT	GlobalFiler™	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

968GFP	Identifiler® Plus, Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
96MZZM	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
98BGAV	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
9F7JER	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
9GZ3JZ	Identifiler®					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
9HUQ6G	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
9KXLJD	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

9PTKNA	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
9QMYML	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15	NA	12,12
4	NA	11,12	11,14	NA	15,16	15,23
	10,12	11,12	NA	14,17	14,14	NA
	28,29	15,17	X,Y	11,13	20,20	NA
	NA	15,29.2	6,7	11,11	17,18	
9U3T2X	PowerPlex® 5C/6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
9VKMZM	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
9WBTC7	Identifiler® Plus					
	-	17,19	-	14,15	-	12,12
4	-	11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14,14	-
	28,29	-	X,Y	11,13	20,20	-
	-	-	6,7	11,11	17,18	
A7VL29	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
A8VBU7	PowerPlex® FUSION					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

AAT3D3	Identifiler® Plus	17,19		14,15		12,12
4		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
ACZ92P	Investigator® 24plex	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
AKUJ8D	PowerPlex® Fusion	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	6,7	11,11	17,18	
ALTJCK	Investigator® 24plex QS	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
AT9AVQ	GlobalFiler™	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
AW7X2Y	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	15,29.2	6,7	11,11	17,18
AX8GH9	PowerPlex® Fusion	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

AXXWFX	PowerPlex® Fusion 5C					
		11,17.3	17,19	10,10	14,15	12,12
	4		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16		6,7	11,11	17,18	
B2XDHJ	Identifiler® Plus					
			17,19		14,15	12,12
	4		11,12	11,14		
		10,12	11,12		14,17	14,14
		28,29		X,Y	11,13	20,20
			6,7	11,11	17,18	
B8PHD9	PowerPlex® Fusion 6C					
		11,17.3	17,19	10	14,15	12
	4		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
	14,16	15,29.2	6,7	11	17,18	
B9ZKZ8	PowerPlex® Fusion					
		11,17.3	17,19	10,10	14,15	12,12
	4		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16		6,7	11,11	17,18	
BRRHC8	PowerPlex® Fusion 6C					
		11,17.3	17,19	10	14,15	12
	4		11,12	11,14		15,16
		10,12	11,12		14,17	14
		28,29	15,17	X,Y	11,13	20
	14,16	15,29.2	6,7	11	17,18	
BVTCHP	Identifiler® Plus					
			17,19		14,15	12,12
	4		11,12	11,14		
		10,12	11,12		14,17	14,14
		28,29		X,Y	11,13	20,20
			6,7	11,11	17,18	
BXTWT3	PowerPlex® PPF-6C					
		11,17.3	17,19	10,10	14,15	12,12
	4		11,12	11,14		15,16
		10,12	11,12		14,17	14,14
		28,29	15,17	X,Y	11,13	20,20
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

BY97XM	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
CARXZ6	PowerPlex® FUSION					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
CCG4K3	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
CEZ4VC	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
CFZ2BD	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
CJXMZV	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
CMQT87	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

CVPA8C	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
CXFJ7J	PowerPlex® 21					
	11,17.3	17,19		14,15		12,12
4		11,12	11,14			15,23
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
CYKAW8	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
D27FQ3	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
D376N7	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
D7YDZJ	Identifiler®					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29			11,13	20,20	
			6,7	11,11	17,18	
D9QDJV	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

DA3YJJ	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
DGMZZV	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
DGNRX4	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
DQ9H33	PowerPlex® 16					
				14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17		
	28,29		X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
DRGMKX	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
DV9E3V	Identifiler® Plus					
	N/A	17,19	N/A	14,15	N/A	12,12
4	N/A	11,12	11,14	N/A	N/A	N/A
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	N/A	X,Y	11,13	20,20	N/A
	N/A	N/A	6,7	11,11	17,18	
EDXDHT	PowerPlex® Fusion 5C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

EGHZG8	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
EML9G9	PowerPlex® Fusion					
		11,17.3	17,19	10,10	14,15	12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	6,7	11,11	17,18	10,13
EQJPRG	PowerPlex® Fusion 6C					
		11,17.3	17,19	10,10	14,15	12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	15,29.2	6,7	11,11	17,18
EVY4D3	PowerPlex® Fusion 6C					
		11,17.3	17,19	10,10	14,15	12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	15,29.2	6,7	11,11	17,18
EX87QL	GlobalFiler™					
		11,17.3	17,19	10,10	14,15	12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
			15,29.2	6,7	11,11	17,18
F3CHVX	Identifiler®					
		17,19		14,15		12,12
4		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
F49Q8N	PowerPlex® Fusion 6C					
		11,17.3	17,19	10,10	14,15	12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	15,29.2	6,7	11,11	17,18

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

F7DJV	NGM SElect					
	11,17.3	17,19	10,10	14,15		
4			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
F8NJYG	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
FJ3A7Y	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
FJ3DEF	PowerPlex® Fusion 5C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
FNTUHT	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
FZREB8	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
G9W3AX	PowerPlex® 5C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

GDALPJ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
GQGH6F	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
GQJ767	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
GUE694	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
GXVA8X	Identifiler®					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
H4HG6X						
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
H6W2VL	GlobalFiler™					
	11,17.3	17,19	10,10	14,15	-	12,12
4		11,12	11,14	-	15,16	15,23
	10,12	11,12	-	14,17	14,14	-
	28,29	15,17	X,Y	11,13	20,20	-
	-	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

H82MRY	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
H9Q3TU	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
HEXPMJ	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
HJFH8Y	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
HRPZCP	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
HUCN2W						
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
HVQACJ	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

J3N9GD	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
J6PC7F	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
JBYQU7	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
K3J2XH	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
KGEDFU	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
KHR3ND	Identifiler® Plus					
	-	17,19	-	14,15	-	12
4		11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14	-
	28,29	-	X,Y	11,13	20	-
	-	-	6,7	11	17,18	
KTD479	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

KU3WK	Identifiler®, Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15	N/A	12,12
4	N/A	11,12	11,14	N/A	15,16	15,23
	10,12	11,12	N/A	14,17	14,14	N/A
	28,29	15,17	X,Y	11,13	20,20	N/A
	N/A	15,29.2	6,7	11,11	17,18	
L2F4UZ	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
L8UG2F	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
LC6RTA	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
LFZNC9	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
LP88QX	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
LPLWRP	NGM SElect					
	11,17.3	17,19	10	14,15		
4			11,14		15,16	15,23
		11,12		14,17	14	
	28,29	15,17	X,Y		20	
		15,29.2	6,7		17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

LVT96P	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
M2ZY2U	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
M8NR83	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
MB2PGA	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
MEMCCH	PowerPlex® Fusion 6C					
	11,12	21,25	11,14	17,18	-	12,13
4	-	10,11	10,12	-	13,16	15,17.3
	8,13	13	-	10,13	15	-
	30,32.2	15,16	X	10,11	19,20	10,12
	5,13	19,28.2	9,9.3	8,11	14,16	
MP29CF	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
MUHT32	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

MXZTK3	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
MYTRTA	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
MZZ4AB	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
N4DDQL	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
N8JPY9	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
NA9X64	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
NBH8VF	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

NHGJ6Q	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
	4	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
	15,29.2	6,7	11,11	17,18		
NJCB2X	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
	4	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	6,7	11	17,18		
NP2N68	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
	4	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
	15,29.2	6,7	11,11	17,18		
NQULCD	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
	4	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	6,7	11,11	17,18		
NZ2DL9	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
	4	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
	15,29.2	6,7	11	17,18		
P2ANFQ	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15	not tested	12,12
	4	not tested	11,12	11,14	not tested	15,16
	10,12	11,12	not tested	14,17	14,14	not tested
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
P82VYY	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
	4	11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

PA4VWB	PowerPlex® 5C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
PC9L4Q	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
PEFQQM	NGM SElect					
	11,17.3	17,19	10,10	14,15		
4			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
PFBJCX	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
PFQRCL	NGM SElect					
	11,17.3	17,19	10,10	14,15		
4			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	
PJTLEW	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
PK2WBZ	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

PLJNM7	Identifiler® ID Plus Kit					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
PMMPZN	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
PQRDL6	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
PQT27P	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
QAWBH7	Identifiler® Plus					
	-	17,19	-	14,15	-	12
4		11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14	-
	28,29	-	X,Y	11,13	20	-
	-	-	6,7	11	17,18	
QBBKNL	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
QC6G48	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

QGZAW3	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15	NA	12,12
4	NA	11,12	11,14	NA	15,16	15,23
	10,12	11,12	NA	14,17	14,14	NA
	28,29	15,17	X,Y	11,13	20,20	NA
	NA	15,29.2	6,7	11,11	17,18	
QH8GCN	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
QQ2PQN	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
QTQTPM	GlobalFiler™ Express					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
QXJZ4N	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
R3FVU4	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
RAFAJB	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

RC28FF	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
RFMZJV	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
RPQVZF	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
RUHAEN	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
T8YL7N	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
TBQJ2A	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
TH88GX	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

U767JJ	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
UAN7VT	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
UE3XPT	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
UHKX8T	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
UJWX4N	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
UR6J3P	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
UUUMXH	PowerPlex® ESX17, FUSION					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

UXXGX9	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
UZ3833	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
V3MDZ4	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
V73ZJV	Investigator® 24plex					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
V9A4LY	PowerPlex® Fusion					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16		6,7	11	17,18	
VK73FQ	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
W8D32T	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	



TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

WDH2BX	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
WE98QN	PowerPlex® Fusion 6C					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	10,13
	14,16	15,29.2	6,7	11	17,18	
WGFHMR	Investigator® 24plex					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
WLAECJ	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
WPTENR	PowerPlex® Fusion					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16		6,7	11,11	17,18	
WRZYA8	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
WX7K83	PowerPlex® ESX 17 Fast System					
	11,17.3	17,19	10,10	14,15		
4			11,14		15,16	15,23
		11,12		14,17	14,14	
	28,29	15,17	X,Y		20,20	
		15,29.2	6,7		17,18	

TABLE 1

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

X2KKZM	Identifiler® Plus	17,19		14,15		12,12
4		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
X4APXZ	GlobalFiler™	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
X6KMXB	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	15,29.2	6,7	11,11	17,18
XERBW4	PowerPlex® Fusion	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	10,13
		14,16	6,7	11	17,18	
XTBTVY	Investigator® 24plex	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
XU4Q47	PowerPlex® Fusion 6C	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	10,13
		14,16	15,29.2	6,7	11,11	17,18
XYD3Z7	Identifiler®, Investigator® 24plex QS	17,19	10,10	14,15	N/A	12,12
4		N/A	11,14	N/A	15,16	15,23
		10,12	N/A	14,17	14,14	N/A
		28,29	X,Y	11,13	20,20	N/A
		N/A	6,7	11,11	17,18	

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

XZ4HYF	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
		10,12	11,12	14,17	14,14	
		28,29	X,Y	11,13	20,20	
			6,7	11,11	17,18	
YA8UVA	PowerPlex® Fusion 6C					
		17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	15,29.2	6,7	11,11	17,18
YE4JCG	PowerPlex® 16					
				14,15		12,12
4		11,12	11,14			
		10,12	11,12	14,17		
		28,29	X,Y	11,13	20,20	10,13
		14,16	6,7	11,11	17,18	
YT8VVM	PowerPlex® Fusion 6C					
		17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14	
		28,29	15,17	X,Y	11,13	20
		14,16	15,29.2	6,7	11	17,18
YVNABG	PowerPlex® Fusion 6C					
		17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	15,29.2	6,7	11,11	17,18
Z2TER8	PowerPlex® Fusion 5C					
		17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	6,7	11,11	17,18	10,13
Z9W8ZG	PowerPlex® Fusion 6C					
		17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
		10,12	11,12	14,17	14,14	
		28,29	15,17	X,Y	11,13	20,20
		14,16	15,29.2	6,7	11,11	17,18

TABLE 1

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

## Item 4 - STR Results

ZANCGV	Investigator® 24plex QS					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
ZCDLTH	GlobalFiler™					
	11,17.3	17,19	10	14,15		12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14	
	28,29	15,17	X,Y	11,13	20	
		15,29.2	6,7	11	17,18	
ZEVWCE	GlobalFiler™					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	
		15,29.2	6,7	11,11	17,18	
ZJAKYW	Identifiler® Plus					
	-	17,19	-	14,15	-	12
4		11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14	-
	28,29	-	X,Y	11,13	20	-
	-	-	6,7	11	17,18	
ZTMA4W	Identifiler® Plus					
		17,19		14,15		12,12
4		11,12	11,14			
	10,12	11,12		14,17	14,14	
	28,29		X,Y	11,13	20,20	
			6,7	11,11	17,18	
ZWKT8G	PowerPlex® Fusion 6C					
	11,17.3	17,19	10,10	14,15		12,12
4		11,12	11,14		15,16	15,23
	10,12	11,12		14,17	14,14	
	28,29	15,17	X,Y	11,13	20,20	10,13
	14,16	15,29.2	6,7	11,11	17,18	
ZXVZ2W	Identifiler® Plus					
	-	17,19	-	14,15	-	12
4		11,12	11,14	-	-	-
	10,12	11,12	-	14,17	14	-
	28,29	-	X,Y	11,13	20	-
	-	-	6,7	11	17,18	

# 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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

## Item 1 - YSTR Results

2BD34L	PowerPlex® Fusion 6C										
1											
2BU6ME	PowerPlex® Fusion 6C										
1											
			NR		NR					NR	
2KLG99	PowerPlex® Fusion 5C										
1											
2N4Q78	PowerPlex® Fusion 6C										
1											
			NR		NR					NR	
348R7R	PowerPlex® Fusion										
1											
										NR	
34QQBC	PowerPlex® Y 23										
1											
3KXQDE	GlobalFiler™										
1											
3LFHPJ	Yfiler™										
1											
3Q69LE	PowerPlex® Fusion 6C										
1											
			NR		NR					NR	
3ZACVH	Yfiler™, PowerPlex® Fusion 6C										
1											
3ZUVZP	PowerPlex® Fusion 6C										
1											
42M69X	PowerPlex® Fusion										
1											
										ND	

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

42ZRQC	PowerPlex® Fusion 6C	NR									
1		NR NR									
48Q3YP	Investigator® 24plex GO!										
1											
4J2FE6	PowerPlex® Fusion 6C	No results									
1		No results No results									
4QGA48	PowerPlex® Fusion 6C	NR									
1		NR NR									
63Y7ZQ	GlobalFiler™										
1											
66C7JB	PowerPlex® Fusion 6c	NR									
1		NR Nr									
66J68T	GlobalFiler™										
1											
6BJHWB	PowerPlex® Fusion 5C	No Results									
1											
6H3TXJ	PowerPlex® Fusion	ND									
1											
6N9HJX	PowerPlex® Fusion 6C										
1											
6PLYUP	PowerPlex® Fusion	NR									
1											
7L4CGW	PowerPlex® Fusion 6C										
1											

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

86UPRF	PowerPlex® Fusion 6C										NR
1											
8K3NUQ	PowerPlex® Fusion										NR
1											
8M4WRA	PowerPlex® Fusion 6C										NR
1											
8PVU32	PowerPlex® Fusion 6C										NR
1											
8RMYRT	GlobalFiler™										--
1											--
968GFP	Investigator® 24plex										
1											
96MZZM	Investigator® 24plex QS										
1											
9F7JER	PowerPlex® Fusion 5C										
1											
9GZ3JZ	PowerPlex® Fusion 5C										No Results
1											
9HUQ6G	Investigator® 24plex										No result
1											
9KXLJD	PowerPlex® Fusion 6C										
1											
9PTKNA	PowerPlex® Fusion 6C										
1											

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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 1 - YSTR Results

9QMYML	Investigator® 24plex										
1	NA	NA	NA	NA	NA	NA	No Result	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9U3T2X	PowerPlex® Fusion 5C										
1											
9VKMZM	PowerPlex® Fusion										
1	NR										
A7VL29	PowerPlex® Fusion 6C										
1	NR										
			NR	NR							
ACZ92P	Investigator® 24plex										
1											
AKDCZB	PowerPlex® Fusion 6C										
1	No reaction										
			No reaction	No reaction							
ALTJCK	Investigator® 24plex QS										
1											
AT9AVQ	Yfiler™ Plus, GlobalFiler™										
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR		NR	NR	NR	NR	NR	NR	NR	NR	NR
AU8B2H	Yfiler™, Investigator® 24plex Go										
1											
AW7X2Y	PowerPlex® Fusion 6C										
1	NR										
			NR	NR							
BRRHC8	PowerPlex® Fusion 6C										
1											
BVTCHP	PowerPlex® Fusion 5C										
1	No 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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

BY97XM	Investigator® 24plex										
1											
BYVATH	Yfiler™, Investigator® 24plex Go!										
1											
CCG4K3	PowerPlex® Fusion 6C										
1											
			NR	NR							
CJXMZV	PowerPlex® Fusion 5C	No Results									
1											
CMQT87	PowerPlex® Fusion 6C										
1											
			NR	NR							
CVPA8C	PowerPlex® Fusion 6C										
1											
D27FQ3	PowerPlex® Fusion 5C										
1											
D9QDJV	PowerPlex® Fusion 6C										
1											
			NR	NR							
DA3YJJ	Investigator® 24plex										
1											
DGMZZV	GlobalFiler™										
1											
DV9E3V	Investigator® 24plex	No Results									
1											
EDXDHT	PowerPlex® Fusion 5C										
1											



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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

HDMRA2	PowerPlex® Fusion 6C										no reaction
1											
			no reaction	no reaction							
HJFH8Y	PowerPlex® Fusion 6C										NR
1											
			NR	NR							
HVQACJ	PowerPlex® Fusion 6C										
1											
J72YX2	PowerPlex® Fusion 6C										No Reaction
1											
			No Reaction	No Reaction							
K3J2XH	PowerPlex® Fusion 6C										
1											
KHCYV8	Investigator® 24plex GO!										
1											
KLUYD9	Yfiler™										
1											
KTD479	PowerPlex® Fusion 6C										
1											
L2F4UZ	PowerPlex® Fusion										ND
1											
L8UG2F	Yfiler™										
1											
LFZNC9	PowerPlex® Fusion										NR
1											

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

LP88QX	PowerPlex® Fusion 6C										
1											
LVT96P	GlobalFiler™										
1											
M8NR83	PowerPlex® Fusion										
1											
MB2PGA	Investigator® 24plex										
1											
MYTRTA	PowerPlex® Fusion										
1											
MZZ4AB	PowerPlex® Fusion										
1											
N4DDQL	PowerPlex® Fusion 6C										
1											
NA9X64	PowerPlex® Fusion 6C										
1											
NHGJ6Q	Investigator® 24plex										
1											
NJCB2X	PowerPlex® Fusion										
1											
NP2N68	Investigator® 24plex QS										
1											
NQULCD	PowerPlex® Fusion 5C										
1											

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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 1 - YSTR Results

NZ2DL9	PowerPlex® Y 23										
1											
P2ANFQ	PowerPlex® Fusion 6C										
1	not tested	not tested	not tested	not tested	not tested	not tested	NR	not tested	not tested	not tested	
	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
	not tested	not tested	not tested	NR	NR	not tested	not tested	not tested	not tested	not tested	not tested
P82VYY	PowerPlex® Fusion 6C										
1											
PA4VWB	PowerPlex® Fusion 5C										
1	No Results										
PC9L4Q	PowerPlex® Fusion 6C										
1	No Results										
			No Results	No Results							
PFBJCX	PowerPlex® Fusion 6C										
1											
PJTLEW	PowerPlex® Fusion 6C										
1											
PQRDL6	PowerPlex® Fusion										
1	NR										
PQT27P	PowerPlex® Fusion 6C										
1	NR										
			NR	NR							
QAWBH7	Yfiler™										
1	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
QGZAW3	Investigator® 24plex										
1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QTQTPM	GlobalFiler™ Express										
1											

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

R3FVU4	Investigator® 24plex										
1											
RAFAJB	PowerPlex® Fusion 6C										
1											
RC28FF	PowerPlex® Fusion	No Results									
1											
RFMZJV	Yfiler™										
1											
RPQVZF	PowerPlex® Fusion 6C										
1											
RUHAEN	PowerPlex® Fusion 6C	NR									
1											
		NR	NR								
T8YL7N	PowerPlex® Fusion 6C	NR									
1											
		NR	NR								
TCGW8Y	Yfiler™, Investigator® 24plex GO!										
1											
U6ZLUY	Yfiler™, Investigator® 24plex GO!										
1											
U767JJ	GlobalFiler™	no results									
1											
		no results									
UAN7VT	PowerPlex® Fusion 5C	ND									
1											
UE3XPT	GlobalFiler™										
1											

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

UHKX8T	PowerPlex® Fusion 6C									
1	[REDACTED]									
UMCAZ6	Yfiler™, PowerPlex® Fusion 6C									
1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
UR6J3P	PowerPlex® Fusion 6C									
1	[REDACTED]									
UZ3833	PowerPlex® Fusion									
1	[REDACTED]									
V3MDZ4	Investigator® 24plex									
1	[REDACTED] Neg									
V9A4LY	PowerPlex® Fusion									
1	[REDACTED] NR									
W8D32T	Investigator® 24plex QS									
1	[REDACTED]									
WDH2BX	GlobalFiler™									
1	[REDACTED]									
WE98QN	PowerPlex® Fusion 6C									
1	[REDACTED]									
WGFHMR	Investigator® 24plex									
1	[REDACTED] No Result									
WLAECJ	PowerPlex® Fusion 6C									
1	[REDACTED] NR									
WPTENR	PowerPlex® Fusion									
1	[REDACTED] ND									

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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 1 - YSTR Results

WVZZK3	PowerPlex® Fusion										
1	[Redacted]										
X4APXZ	GlobalFiler™										
1	[Redacted]										
X6KMXB	PowerPlex® Fusion 6C										
1	[Redacted] NR										
			NR	NR							
XERBW4	PowerPlex® Fusion										
1	[Redacted] ND										
XUEXXL	PowerPlex® Fusion 6C										
1	[Redacted] No Reaction										
			No Reaction	No Reaction							
XYD3Z7	Investigator® 24plex GO										
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	N/A	N/A	N/A	N/A	N/A	N/A
XZ4HYF	GlobalFiler™										
1	[Redacted]										
YA8UVA	PowerPlex® Fusion 6C										
1	[Redacted] NR										
			NR	NR							
YE4JCG	PowerPlex® Y 23, PowerPlex® Fusion 6C										
1	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
YGCEBT	Investigator® 24plex GO										
1	[Redacted]										
YT8VWM	PowerPlex® Fusion 6C										
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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

Z38PJK	PowerPlex® Fusion 6C										
1											
		No Reaction	No Reaction								No Reaction
Z9W8ZG	PowerPlex® Fusion 6C										
1											
		NR	NR								NR
ZANCGV	Investigator® 24plex QS										
1											
ZEWCE	PowerPlex® Fusion 5C										
1											
ZWKT8G	PowerPlex® Fusion 6C										
1											
		NR	NR								NR

TABLE 2

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

## Item 2 - YSTR Results

2BD34L	PowerPlex® Fusion 6C									
2	10									
			20	16						
2BU6ME	Yfiler™, PowerPlex® Fusion 6C									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18				
			20	16				23		12
2CU2J4	Investigator® 24plex GO									
2	N/A	N/A	N/A	N/A	N/A	N/A	10	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
2KLG99	PowerPlex® Fusion 5C									
2	10									
2KMA7F	10									
2	2									
2MR2UM	PowerPlex® Y 23									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18		22		
		12	11	20	16			23	11.2	12
2N4Q78	Yfiler™, PowerPlex® Fusion 6C									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18				
			20	16				23		12
2XPXVP	Yfiler™									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18				
								23		12
328EQE	PowerPlex® Y 23, GlobalFiler™									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18		22		
		12	11	20	16			23	11.2	12
33XURA	PowerPlex® Fusion									
2	10									
348R7R	Yfiler™, PowerPlex® Fusion									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18				
								23		12
34QQBC	PowerPlex® Y 23									
2	10	17	11,12	14	29	23	10	11	13	15
			20		14	18		22		
		12	11	20	16			23	11.2	12

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

3KXQDE	GlobalFiler™									
2	10									
	2									
3LFHPJ	Yfiler™									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	2
3Q69LE	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	
3Z8LNZ	GlobalFiler™									
2	10									
	2									
3ZACVH	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	
3ZUVZP	PowerPlex® Fusion 6C									
2	10									
			20	16						
42M69X	PowerPlex® Fusion									
2	10									
42ZRQC	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	
48Q3YP	Investigator® 24plex GO!									
2	10									
49MFLH	Yfiler™									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	2
4CK4Z4	Yfiler™									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	
4EQJCG	Yfiler™ Plus, GlobalFiler™									
2	35,36	17	11,12	14	29	23	10	11	13	15
	10	13	20	30	14	18	11	22	35	
		12		20	16		23	23	12	2

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

4J2FE6	PowerPlex® Fusion 6C									
2	10									
	20 16									
4QGA48	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
	20 16 23 12									
63PFKR	PowerPlex® Y 23									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12 11 20 16 23 11.2 12									
63UZAF	Yfiler™ Plus									
2	35,36	17	11,12	14	29	23	10	11	13	15
	10	13	20	30	14	18	11	22		35
	12 20 16 23 23 12 2									
63Y7ZQ	GlobalFiler™									
2	10									
	2									
66C7JB	Yfiler™, PowerPlex® Fusion 6c									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
	20 16 23 12									
66J68T	GlobalFiler™									
2	10									
	2									
6BJHWB	PowerPlex® Fusion 5C									
2	10									
6GDMGT	Yfiler™									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
	23 12									
6H3TXJ	PowerPlex® Fusion									
2	10									
6KAYR8	PowerPlex® Y 23									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12 11 20 16 23 11.2 12									
6N9HJX	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
	20 16 23 12									

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
<b>Item 2 - YSTR Results</b>											
6PLYUP	Yfiler™, PowerPlex® Fusion										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
								23		12	
6QXP4U	PowerPlex® Fusion										
							10				
2											
7D8GHD	PowerPlex® Fusion 6C										
							10				
2											
				20	16						
7G9E3D	PowerPlex® Fusion 6C										
							10				
2											
				20	16						
7L4CGW	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	
7XWHRU	Yfiler™ Plus, GlobalFiler™ Express										
	35,36	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	30	14	18	11	22		35	
		12		20	16		23	23		12	2
83PXXG	PowerPlex® Fusion										
							10				
2											
											2
84GXYX	Investigator® 24plex GO!										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
86UPRF	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	
87MJMX	Yfiler™										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
								23		12	
89T4BX	Yfiler™										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
								23		12	
8JPA4W	Investigator® 24plex GO										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

8K3NUQ	Yfiler™, PowerPlex® Fusion									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
								23		12
8M4WRA	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
			20	16				23		12
8PVU32	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
			20	16				23		12
8RMVRT	GlobalFiler™									
						10				
2										2
968GFP	Yfiler™, Investigator® 24plex									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
								23		12
96MZZM	Investigator® 24plex QS									
						10				
2										
98BGAV	GlobalFiler™									
						10				
2										2
9F7JER	PowerPlex® Fusion 5C									
						10				
2										
9GZ3JZ	PowerPlex® Y 23, PowerPlex® Fusion 5C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22		
	12	11	20	16				23	11.2	12
9HUQ6G	Yfiler™									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
								23		12
9KXLJD	PowerPlex® Fusion 6C									
						10				
2										
			20	16						
9PTKNA	PowerPlex® Fusion 6C									
						10				
2										
			20	16						

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

## Item 2 - YSTR Results

9QMYML	Investigator® 24plex										
	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	
	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9U3T2X	PowerPlex® Fusion 5C										
							10				
	2										
9VKMZM	Yfiler™, PowerPlex® Fusion										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18		23		12	
A7VL29	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18					
			20	16			23		12		
A8VBU7	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12		
ACZ92P	Investigator® 24plex										
							10				
	2										
AKDCZB	PowerPlex® Fusion 6C										
							10				
	2										
			20	16							
AKUJ8D	PowerPlex® Y 23, PowerPlex® Fusion										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12		
ALTJCK	PowerPlex® Y 23, Investigator® 24plex QS										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12		
AT9AVQ	Yfiler™ Plus, GlobalFiler™										
	35,36	17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	30	14	18	11	22	35	
		12		20	16		23	23		12	2
AU8B2H	Yfiler™, Investigator® 24plex Go										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18					
							23		12		
AW7X2Y	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
	2	10	13	20	14	18					
			20	16			23		12		

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 2 - YSTR Results

AX8GH9	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2*	12	
AXXWFX	PowerPlex® Y 23, PowerPlex® Fusion 5C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
B8PHD9	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	
B9ZKZ8	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
BRRHC8	PowerPlex® Fusion 6C										
							10				
2											
				20	16						
BVTCHP	PowerPlex® Y 23, PowerPlex® Fusion 5C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
BXTWT3	GlobalFiler™										
							10				
2											
											2
BY97XM	Investigator® 24plex										
							10				
2											
BYVATH	Yfiler™, Investigator® 24plex Go!										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
								23		12	
C3B68U	Investigator® 24plex GO!										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CARXZ6	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
CCG4K3	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	





TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

DQ9H33	PowerPlex® Fusion 6C									
2	10									
	20		16							
DRGMKX	GlobalFiler™ Express									
2	10									
	2									
DV9E3V	Investigator® 24plex									
2	10									
DXBBTP	PowerPlex® Fusion									
2	10									
EDXDHT	PowerPlex® Fusion 5C									
2	10									
EGHZG8	PowerPlex® Y 23									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18	22				
	12	11	20	16		23	11.2	12		
EML9G9	PowerPlex® Fusion									
2	10									
EQJPRG	PowerPlex® Y 23									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18	22				
	12	11	20	16		23	11.2	12		
EVY4D3	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16		23		12		
EX87QL	GlobalFiler™									
2	10									
	2									
F3CHVX	Yfiler™									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
						23		12		
F49Q8N	PowerPlex® Y 23									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18	22				
	12	11	20	16		23	11.2	12		

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

F8NJYG	Yfiler™, PowerPlex® Fusion									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
							23		12	
FJ3A7Y	GlobalFiler™									
						10				
2										2
FJ3DEF	PowerPlex® Fusion 5C									
						10				
2										
FNTUHT	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
			20	16			23		12	
FZREB8	Yfiler™									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
							23		12	2
G8K9LB	Investigator® 24plex GO!									
						10				
2										
G9W3AX	PowerPlex® Fusion 5C									
						10				
2										
GDALPJ	GlobalFiler™									
						10				
2										2
GQGH6F	PowerPlex® Y 23, Investigator® 24plex QS									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
GQJ767	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
GUE694	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
			20	16			23		12	
GXV8X	Yfiler™									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
							23		12	

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

H4HG6X	PowerPlex® Fusion 10									
2	[Redacted]									
H4MWKJ	Yfiler™ Plus, GlobalFiler™ Express									
	35,36	17	11,12	14	29	23	10	11	13	15
2	10	13	20	30	14	18	11	22	35	
		12		20	16		23	23		2
H6W2VL	PowerPlex® Y 23, GlobalFiler™									
	-	17	11,12	14	29	23	10	11	13	15
2	10	13	20	-	14	18	-	22	-	-
	-	12	11	20	16	-	-	23	11.2	2
H82MRY	GlobalFiler™									
	10									
2	[Redacted]									
	2									
H9Q3TU	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
2	10	13	20		14	18				
								23		12
HDMRA2	PowerPlex® Fusion 6C									
	10									
2	[Redacted]									
			20	16						
HEXPMJ	Yfiler™, GlobalFiler™									
		17	11,12	14	29	23	10	11	13	15
2	10	13	20		14	18				
								23		2
HJFH8Y	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
2	10	13	20		14	18				
			20	16				23		12
HUCN2W	PowerPlex® Y 23									
		17	11,12	14	29	23	10	11	13	15
2	10	13	20		14	18		22		
		12	11	20	16			23	11.2	12
HVQACJ	PowerPlex® Fusion 6C									
	10									
2	[Redacted]									
			20	16						
J3N9GD										
	10									
2	[Redacted]									
	2									
J6PC7F										
	10									
2	[Redacted]									
	2									

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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 2 - YSTR Results

J72YX2	PowerPlex® Fusion 6C										
2	10										
	20 16										
JBYQU7	Investigator® 24plex										
2	10										
K3J2XH	Yfiler™, PowerPlex® Fusion 6C										
2	17	11,12	14	29	23	10	11	13	15		
	10	13	20		14	18					
	20 16 23 12										
KGEDFU	Yfiler™ PLUS										
2	35,36	17	11,12	14	29	23	10	11	13	15	
	10	13	20	30	14	18	11	22		35	
	12 20 16 23 23 12 2										
KHCYV8	Investigator® 24plex GO!										
2	10										
KHR3ND	Yfiler™										
2	-	17	11,12	14	29	23	10	11	13	15	
	10	13	20	-	14	18	-	-	-	-	
	- - - - - - 23 - 12 -										
KLUYD9	Yfiler™										
2	17	11,12	14	29	23	10	11	13	15		
	10	13	20		14	18					
	23 12										
KTD479	PowerPlex® Fusion 6C										
2	10										
	20 16										
KU3VVK	Investigator® 24plex GO!										
2	N/A	N/A	N/A	N/A	N/A	N/A	10	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
L2F4UZ	PowerPlex® Fusion										
2	10										
L8UG2F	Yfiler™										
2	17	11,12	14	29	23	10	11	13	15		
	10	13	20		14	18					
	23 12										
LC6RTA	GlobalFiler™										
2	10										
	2										

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

LFZNC9	Yfiler™, PowerPlex® Fusion									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
							23		12	
LP88QX	PowerPlex® Fusion 6C									
						10				
2			20	16						
LPLWRP	Yfiler™ PLUS									
	35,36	17	11,12	14	29	23	10	11	13	15
2	10	13	20	31	14	18	11	22		35
		12		20	16		23	23		12
LVT96P	GlobalFiler™									
							10,R			
2										2,R
M2ZY2U							10			
2										2
M8NR83	PowerPlex® Fusion									
							10			
2										
MB2PGA	Investigator® 24plex									
							10			
2										
MEMCCH	PowerPlex® Fusion 6C									
	-	-	-	-	-	-	10	-	-	-
2	-	-	-	-	-	-	-	-	-	-
	-	-	-	20	16	-	-	-	-	-
MP29CF	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12	
MUHT32							10			
2										
MXZTK3	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12	
MYTRTA	Yfiler™, PowerPlex® Fusion									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	14	18					
							23		12	

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
<b>Item 2 - YSTR Results</b>											
MZZ4AB	Yfiler™, PowerPlex® Fusion										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
								23		12	
N4DDQL	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	
N8JPY9	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
NA9X64	PowerPlex® Fusion 6C										
							10				
2											
				20	16						
NB88VF	GlobalFiler™										
							10				
2											2
NHGJ6Q	Investigator® 24plex										
							10				
2											
NJCB2X	PowerPlex® Fusion										
							10				
2											
NP2N68	Investigator® 24plex QS										
							10				
2											
NQULCD	PowerPlex® Y 23, PowerPlex® Fusion 5C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
NZ2DL9	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
P2ANFQ	Yfiler™, PowerPlex® Fusion 6C										
	not tested	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	not tested	14	18	not tested	not tested	not tested	not tested	
	not tested	not tested	not tested	20	16	not tested	not tested	23	not tested	12	not tested
P82VYY											
							10				
2											
				20	16						





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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 2 - YSTR Results

QGZAW3	Investigator® 24plex										
2	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QH8GCN	Yfiler™ PLUS, GlobalFiler™										
2	35,36	17	11,12	14	29	23	10	11	13	15	
	10	13	20	30	14	18	11	22		35	
		12		20	16		23	23		12	2
QQ2PQN	GlobalFiler™										
2							10				
											2
QTQTPM	GlobalFiler™ Express										
2							10				
											2
QXJZ4N											
2							10				
											2
R3FVU4	Yfiler™, Investigator® 24plex										
2		17	11,12	14	29	23	10	11	13	15	
	10	13	20		14	18					
								23		12	
RAFAJB	Yfiler™, PowerPlex® Fusion 6C										
2		17	11,12	14	29	23	10	11	13	15	
	10	13	20		14	18					
				20	16			23		12	
RC28FF	PowerPlex® Fusion 5C										
2							10				
RFMZJV	Yfiler™										
2		17	11,12	14	29	23	10	11	13	15	
	10	13	20		14	18					
								23		12	2
RKD97B	PowerPlex® Fusion										
2							10				
RPQVZF	PowerPlex® Fusion 6C										
2							10				
				20	16						
RUHAEN	Yfiler™, PowerPlex® Fusion 6C										
2		17	11,12	14	29	23	10	11	13	15	
	10	13	20		14	18					
				20	16			23		12	

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

T8YL7N	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
			20	16			23		12	
TBQJ2A	PowerPlex® Y 23, GlobalFiler™									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	2
TCGW8Y	Yfiler™, Investigator® 24plex GO!									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
							23		12	
TH88GX	Yfiler™									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
							23		12	
U6ZLUY	Yfiler™, Investigator® 24plex GO!									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
							23		12	
U767JJ	GlobalFiler™									
						10				
2										2
UAN7VT	PowerPlex® Y 23, PowerPlex® Fusion 5C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
UE3XPT	GlobalFiler™									
						10				
2										2
UHKX8T	PowerPlex® Fusion 6C									
						10				
2										
			20	16						
UJWX4N	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
UMCAZ6	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
			20	16			23		12	
UR6J3P	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18				
			20	16			23		12	

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

UUUMXH	PowerPlex® Y 23, PowerPlex® Fusion 5C										
	17	11,12	14	29	23	10	11	13	15		
2	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
UXCVAN											
							10				
2											
											2
UXGX9	GlobalFiler™										
							10				
2											
											2
UZ3833	Yfiler™, PowerPlex® Fusion										
	17	11,12	14	29	23	10	11	13	15		
2	10	13	20	14	18						
							23		12		
V3MDZ4	Investigator® 24plex										
							10				
2											
V73ZFV	Yfiler™										
	17	11,12	14	29	23	10	11	13	15		
2	10	13	20	14	18						
							23		12		
V9A4LY	Yfiler™, PowerPlex® Fusion										
	17	11,12	14	29	23	10	11	13	15		
2	10	13	20	14	18						
							23		12		
VK73FQ											
							10				
2											
											2
W8D32T	Investigator® 24plex QS										
							10				
2											
WDH2BX	GlobalFiler™										
							10				
2											
											2
WE98QN	PowerPlex® Fusion 6C										
							10				
2											
					20	16					
WGFHMR	Yfiler™										
	17	11,12	14	29	23	10	11	13	15		
2	10	13	20	14	18						
							23		12		

TABLE 2

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 2 - YSTR Results

WLAECJ	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	
WPTENR	PowerPlex® Fusion										
							10				
2											
WRZYA8	GlobalFiler™										
							10				
2											
											2
WVZZK3	PowerPlex® Fusion										
							10				
2											
X2KKZM	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
X4APXZ	GlobalFiler™										
							10				
2											
											2
X6KMXB	Yfiler™, PowerPlex® Fusion 6C										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18					
				20	16			23		12	
XERBW4	PowerPlex® Fusion										
							10				
2											
XTBTVY	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
XU4Q47	PowerPlex® Y 23										
		17	11,12	14	29	23	10	11	13	15	
2	10	13	20		14	18		22			
		12	11	20	16			23	11.2	12	
XUEXXL	PowerPlex® Fusion 6C										
							10				
2											
				20	16						
XYD3Z7	Yfiler™, Investigator® 24plex GO/QS										
	N/A	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	N/A	14	18	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	N/A

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

XZ4HYF	GlobalFiler™									
2	10									
	2									
YA8UVA	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16				23	12	
YE4JCG	PowerPlex® Y 23, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12	11	20	16				23	11.2	12
YGCEBT	Investigator® 24plex GO									
2	10									
	2									
YT8VWM	PowerPlex® Fusion 6C									
2	10									
			20	16						
Z38PJK	PowerPlex® Fusion 6C									
2	10									
			20	16						
Z9W8ZG	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16				23	12	
ZANCGV	PowerPlex® Y 23, Investigator® 24plex QS									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12	11	20	16				23	11.2	12
ZCDLTH										
2	10									
	2									
ZEVWCE	PowerPlex® Fusion 5C									
2	10									
	2									
ZJAKYW	Yfiler™									
2	-	17	11,12	14	29	23	10	11	13	15
	10	13	20	-	14	18	-	-	-	-
	-	-	-	-	-	-	-	23	-	12
ZWKT8G	Yfiler™, PowerPlex® Fusion 6C									
2	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16				23	12	

TABLE 2

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 2 - YSTR Results

ZXVZ2W	Yfiler™										
	-	17	11,12	14	29	23	10	11	13	15	
2	10	13	20	-	14	18	-	-	-	-	
	-	-	-	-	-	-	-	23	-	12	-

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

2BD34L	PowerPlex® Fusion 6C									
3	[REDACTED]									
2BU6ME	PowerPlex® Fusion 6C									
3	[REDACTED] NR									
			NR	NR						
2N4Q78	Yfiler™, PowerPlex® Fusion 6C									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR			NR		NR
348R7R	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR			NR		NR
34QQBC	PowerPlex® Y 23									
3	[REDACTED]									
3KXQDE	GlobalFiler™									
3	[REDACTED]									
3LFHPJ	Yfiler™									
3	[REDACTED]									
3Q69LE	PowerPlex® Fusion 6C									
3	[REDACTED] NR									
			NR	NR						
3ZACVH	Yfiler™, PowerPlex® Fusion 6C									
3	[REDACTED]									
3ZUVZP	PowerPlex® Fusion 6C									
3	[REDACTED]									
42M69X	PowerPlex® Fusion									
3	[REDACTED] ND									
42ZRQC	PowerPlex® Fusion 6C									
3	[REDACTED] NR									
			NR	NR						

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

4J2FE6	GlobalFiler™	No results									
3	[Redacted]										
		No results									
4QGA48	PowerPlex® Fusion 6C	NR									
3	[Redacted]										
		NR	NR								
63Y7ZQ	GlobalFiler™	[Redacted]									
3	[Redacted]										
66C7JB	PowerPlex® Fusion 6c	NR									
3	[Redacted]										
		NR	NR								
66J68T	GlobalFiler™	[Redacted]									
3	[Redacted]										
6BJHWB	PowerPlex® Fusion 5C, Investigator® 24plex	No Results									
3	[Redacted]										
6H3TXJ	PowerPlex® Fusion	ND									
3	[Redacted]										
6N9HJX	PowerPlex® Fusion 6C	[Redacted]									
3	[Redacted]										
6PLYUP	Yfiler™, PowerPlex® Fusion	NR	NR	NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR	NR	[Redacted]				NR	
								NR		NR	
7L4CGW	PowerPlex® Fusion 6C	[Redacted]									
3	[Redacted]										
86UPRF	PowerPlex® Fusion 6C	NR									
3	[Redacted]										
		NR	NR								
8K3NUQ	Yfiler™, PowerPlex® Fusion	NR	NR	NR	NR	NR	NR	NR	NR	NR	
3	NR	NR	NR	NR	NR	[Redacted]				NR	
								NR		NR	



TABLE 2

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3 - YSTR Results

8M4WRA	Yfiler™, PowerPlex® Fusion 6C										
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
8PVU32	PowerPlex® Fusion 6C										
3	NR										
8RMYRT	GlobalFiler™										
3	--										
968GFP	Investigator® 24plex										
3											
96MZZM	Investigator® 24plex QS										
3											
9F7JER	PowerPlex® Fusion 5C										
3											
9GZ3JZ	PowerPlex® Y 23										
3	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
9HUQ6G	Yfiler™										
3	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
9KXLJD	PowerPlex® Fusion 6C										
3											
9PTKNA	PowerPlex® Fusion 6C										
3											
9QMYML	Investigator® 24plex										
3	NA	NA	NA	NA	NA	NA	No Result	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9U3T2X	PowerPlex® Fusion 5C/6C										
3											

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

9VKMZM	Yfiler™, PowerPlex® Fusion									
		NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR		NR	NR				
								NR		NR
A7VL29	PowerPlex® Fusion 6C									
								NR		
3										
				NR	NR					
ACZ92P	Investigator® 24plex									
3										
ALTJCK	Investigator® 24plex QS									
3										
AT9AVQ	Yfiler™ Plus, GlobalFiler™									
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR		NR	NR		NR	NR		NR NR
AW7X2Y	PowerPlex® Fusion 6C									
								NR		
3										
				NR	NR					
AX8GH9	PowerPlex® Y 23									
		ND	ND	ND	ND	ND	ND	ND	ND	ND
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND		ND	ND	ND	
BRRHC8	PowerPlex® Fusion 6C									
3										
BVTCHP	PowerPlex® Y 23									
		No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
3	No Results	No Results	No Results		No Results	No Results		No Results		
		No Results	No Results	No Results	No Results			No Results	No Results	No Results
BY97XM	Investigator® 24plex									
3										
CCG4K3	PowerPlex® Fusion 6C									
								NR		
3										
				NR	NR					
CJXMZV	GlobalFiler™									
								No Results		
3										
										No 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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

CMQT87	PowerPlex® Fusion 6C									
3	NR									
			NR	NR						
CVPA8C	PowerPlex® Fusion 6C									
3										
D27FQ3	GlobalFiler™									
3										
D9QDJV	Yfiler™, PowerPlex® Fusion 6C									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR					
			NR	NR				NR		NR
DA3YJJ	Investigator® 24plex									
3										
DGMZZV	PowerPlex® Fusion 5C									
3										
EDXDHT	PowerPlex® Fusion 5C									
3										
EML9G9	PowerPlex® Fusion									
3	ND									
EVY4D3	PowerPlex® Fusion 6C									
3	NR									
			NR	NR						
F8NJYG	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR					
								NR		NR
FJ3A7Y	GlobalFiler™									
3	No Results									
	No Results									
FJ3DEF	PowerPlex® Fusion 5C									
3										

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

FNTUHT	PowerPlex® Fusion 6C									
3	NR									
			NR		NR					
FZREB8	Yfiler™									
3										
GDALPJ	GlobalFiler™									
3										
GQGH6F	Investigator® 24plex QS									
3										
GUE694	PowerPlex® Fusion 6C									
3	No Reaction									
			No Reaction		No Reaction					
H9Q3TU	Yfiler™									
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND		ND	ND			ND	ND
HJFH8Y	PowerPlex® Fusion 6C									
3	NR									
			NR		NR					
HVQACJ	PowerPlex® Fusion 6C									
3										
K3J2XH	PowerPlex® Fusion 6C									
3										
KHR3ND	Yfiler™									
3	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
KTD479	PowerPlex® Fusion 6C									
3										
L2F4UZ	PowerPlex® Fusion									
3	ND									

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

L8UG2F	Yfiler™									
3	[REDACTED]									
LFZNC9	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
LP88QX	PowerPlex® Fusion 6C									
3	[REDACTED]									
LVT96P	GlobalFiler™									
3	[REDACTED] RR									
M8NR83	PowerPlex® Fusion									
3	[REDACTED] ND									
MB2PGA	Investigator® 24plex									
3	[REDACTED]									
MEMCCH	PowerPlex® Fusion 6C									
3	-	-	-	-	-	-	10	-	-	-
	-	-	-	20	16	-	-	-	-	-
MYRTA	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
MZZ4AB	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N4DDQL	PowerPlex® Fusion 6C									
3	[REDACTED] NR									
	NR NR									
NA9X64	PowerPlex® Fusion 6C									
3	[REDACTED]									
NHGJ6Q	GlobalFiler™									
3	[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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3 - YSTR Results

NJCB2X	PowerPlex® Fusion										
3	ND										
NP2N68	Investigator® 24plex QS										
3											
NQULCD	PowerPlex® Fusion 5C										
3	ND										
P2ANFQ	PowerPlex® Fusion 6C										
3	not tested	not tested	not tested	not tested	not tested	not tested	NR	not tested	not tested	not tested	
	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	
	not tested	not tested	not tested	NR	NR	not tested	not tested	not tested	not tested	not tested	not tested
P82VYY	PowerPlex® Fusion 6C										
3											
PA4VWB	PowerPlex® Fusion 5C										
3	No Results										
PC9L4Q	PowerPlex® Fusion 6C										
3	No Results										
	No Results		No Results								
PFBJCX	PowerPlex® Fusion 6C										
3											
PJTLEW	PowerPlex® Fusion 6C										
3											
PQRDL6	Yfiler™, PowerPlex® Fusion										
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR	NR	NR	NR	NR				NR	
	NR										
PQT27P	PowerPlex® Fusion 6C										
3	NR										
	NR		NR								
QAWBH7	Yfiler™										
3	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	

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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3 - YSTR Results

QGZAW3	Investigator® 24plex										
3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QTQTPM	GlobalFiler™ Express										
3	[Redacted]										
R3FVU4	Investigator® 24plex										
3	[Redacted]										
RAFAJB	PowerPlex® Fusion 6C										
3	[Redacted]										
RC28FF	GlobalFiler™										
3	No Results										
	No Results										
RFMZJV	Yfiler™										
3	[Redacted]										
RUHAEN	Yfiler™, PowerPlex® Fusion 6C										
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR					
			NR	NR				NR		NR	
T8YL7N	PowerPlex® Fusion 6C										
3	NR										
			NR	NR							
U767JJ	GlobalFiler™										
3	no results										
	no results										
UAN7VT	PowerPlex® Fusion 5C										
3	ND										
UE3XPT	GlobalFiler™										
3	[Redacted]										
UHKX8T	PowerPlex® Fusion 6C										
3	[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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3 - YSTR Results

UR6J3P	Yfiler™, PowerPlex® Fusion 6C									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
UZ3833	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
V3MDZ4	Investigator® 24plex									
3	Neg									
V9A4LY	Yfiler™, PowerPlex® Fusion									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
W8D32T	Investigator® 24plex QS									
3										
WE98QN	PowerPlex® Fusion 6C									
3										
WGFHMR	Investigator® 24plex									
3	No Result									
WLAECJ	PowerPlex® Fusion 6C									
3	NR									
WPTENR	PowerPlex® Fusion									
3	ND									
X4APXZ	GlobalFiler™									
3										
X6KMXB	PowerPlex® Fusion 6C									
3	NR									
XERBW4	PowerPlex® Fusion									
3	ND									



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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3 - YSTR Results

XYD3Z7	Investigator® 24plex QS										
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	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
YA8UVA	Yfiler™, PowerPlex® Fusion 6C										
		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR		NR	NR					
			NR	NR				NR		NR	
YE4JCG	PowerPlex® Y 23										
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
3	No Results	No Results	No Results		No Results	No Results		No Results			
	No Results	No Results	No Results	No Results				No Results	No Results	No Results	
YT8WVM	PowerPlex® Fusion 6C										
3											
YVNABG	PowerPlex® Fusion 6C										
								No Results			
3											
			No Results	No Results							
Z2TER8	Investigator® 24plex										
								No Results			
3											
Z9W8ZG	PowerPlex® Fusion 6C										
								NR			
3											
			NR	NR							
ZANCGV	Investigator® 24plex QS										
3											
ZEWCE	GlobalFiler™										
3											
ZJAKYW	Yfiler™										
	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
ZWKT8G	PowerPlex® Fusion 6C										
								NR			
3											
			NR	NR							
ZXVZ2W	Yfiler™										
	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
<b>Item 4 - YSTR Results</b>											
2BD34L	PowerPlex® Fusion 6C										
4											
			20	16							
2BU6ME	Yfiler™, PowerPlex® Fusion 6C										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18					
				20	16			23		12	
2CU2J4	Yfiler™, Investigator® 24plex QS										
4	10	17	11,12	14	29	23	10	11	13	15	
			20	N/A	14	18	N/A	N/A	N/A	N/A	
		N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	N/A
2KMA7F	PowerPlex® Fusion 6C										
4											
										2	
2MR2UM	PowerPlex® Y 23										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18		22			
		12	11	20	16			23	11.2	12	
2N4Q78	Yfiler™, PowerPlex® Fusion 6C										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18					
				20	16			23		12	
2XPXVP	Yfiler™										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18					
								23		12	
328EQE	PowerPlex® Y 23										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18		22			
		12	11	20	16			23	11.2	12	2
33XURA	PowerPlex® Fusion 6C										
4											
348R7R	Yfiler™, PowerPlex® Fusion 6C										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18					
								23		12	
34QQBC	PowerPlex® Y 23, GlobalFiler™										
4	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18		22			
		12	11	20	16			23	11.2	12	2
3KXQDE	GlobalFiler™										
4											
										2	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

3LFHPJ	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12 2
3Q69LE	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12
3Z8LNZ	GlobalFiler™									
							10			
4										2
3ZACVH	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12
3ZUVZP	PowerPlex® Fusion 6C									
							10			
4										
				20	16					
42M69X	PowerPlex® Fusion									
							10			
4										
42ZRQC	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12
49MFLH	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12 2
4CK4Z4	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
4EQJCG	Yfiler™ Plus, GlobalFiler™									
	35,36	17	11,12	14	29	23	10	11	13	15
4	10	13	20	30	14	18	11	22		35
		12		20	16		23	23		12 2
4J2FE6	GlobalFiler™									
							10			
4										2
4QGA48	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

63PFKR	PowerPlex® Y 23									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18		22		
		12	11	20	16			23	11.2	12
63UZAF	Yfiler™ Plus									
	35,36	17	11,12	14	29	23	10	11	13	15
4	10	13	20	30	14	18	11	22		35
		12		20	16		23	23		12
63Y7ZQ										
							10			
4										
										2
66C7JB	Yfiler™, PowerPlex® Fusion 6c									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12
66J68T	GlobalFiler™									
							10			
4										
										2
6BJHWB	PowerPlex® Fusion 5C									
							10			
4										
6GDMGT	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
6H3TXJ	PowerPlex® Fusion									
							10			
4										
6KAYR8	PowerPlex® Y 23									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18		22		
		12	11	20	16			23	11.2	12
6N9HJX	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12
6PLYUP	Yfiler™, PowerPlex® Fusion									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
6QXP4U	PowerPlex® Fusion									
							10			
4										

TABLE 2

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 4 - YSTR Results

7D8GHD	PowerPlex® Fusion 6C										
4	10										
	20 16										
7G9E3D	PowerPlex® Fusion 6C										
4	10										
	20 16										
7L4CGW	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
	20 16 23 12										
83PPXG	PowerPlex® Fusion 6C										
4	10										
	2										
84GXYX	Yfiler™, Investigator® 24plex QS										
4	N/A	17	11,12	14	29	23	10	11	13	15	
	10	13	20	N/A	14	18	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	N/A
86UPRF	PowerPlex® Fusion 6C										
4	10										
	20 16										
87MJMX	Yfiler™										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
	23 12										
89T4BX	Yfiler™										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
	23 12										
8JPA4W	Yfiler™, Investigator® 24plex QS										
4	N/A	17	11,12	14	29	23	10	11	13	15	
	10	13	20	N/A	14	18	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	N/A
8K3NUQ	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
	23 12										
8M4WRA	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
	20 16 23 12										
8PVU32	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
	20 16 23 12										

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

8RMVRT	GlobalFiler™									
4	10									
	2									
968GFP	Yfiler™, Investigator® 24plex									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
								23	12	
96MZZM	Investigator® 24plex QS									
4	10									
98BGAV	GlobalFiler™									
4	10									
	2									
9F7JER	PowerPlex® Fusion 5C									
4	10									
9GZ3JZ	PowerPlex® Y 23									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
9HUQ6G	Yfiler™									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
								23	12	
9KXLJD	PowerPlex® Fusion 6C									
4	10									
				20	16					
9PTKNA	PowerPlex® Fusion 6C									
4	10									
				20	16					
9QMYML	Investigator® 24plex									
4	NA	NA	NA	NA	NA	NA	10	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9U3T2X	PowerPlex® Fusion 5C/6C									
4	10									
				20	16					
9VKMZM	Yfiler™, PowerPlex® Fusion									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
								23	12	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel
<b>Item 4 - YSTR Results</b>										
A7VL29	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18				
			20	16			23		12	
A8VBU7	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
ACZ92P	Investigator® 24plex									
						10				
4										
AKUJ8D	PowerPlex® Y 23, PowerPlex® Fusion									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
ALTJCK	PowerPlex® Y 23, Investigator® 24plex QS									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
AT9AVQ	Yfiler™ Plus, GlobalFiler™									
	35,36	17	11,12	14	29	23	10	11	13	15
4	10	13	20	30	14	18	11	22		35
		12		20	16		23	23		12
										2
AW7X2Y	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18				
			20	16			23		12	
AX8GH9	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18		22		
	12	11	20	16			23	11.2*	12	
AXXWFX	PowerPlex® Y 23, PowerPlex® Fusion 5C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
B8PHD9	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18				
			20	16			23		12	
B9ZKZ8	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20		14	18		22		
	12	11	20	16			23	11.2	12	
BRRHC8	PowerPlex® Fusion 6C									
						10				
4										
			20	16						

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

BVTCHP	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
BXTWT3	PowerPlex® Fusion 6C									
						10				
4				20	16					
BY97XM	Investigator® 24plex									
						10				
4										
CARXZ6	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
CCG4K3	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18					
			20	16			23		12	
CEZ4VC	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
CFZ2BD										
						10				
4										
CJXMZV	GlobalFiler™									
						10				
4										2
CMQT87	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18					
			20	16			23		12	
CVPA8C	PowerPlex® Fusion 6C									
						10				
4				20	16					
CYKAW8	PowerPlex® Fusion 6C									
						10				
4				20	16					
D27FQ3	GlobalFiler™									
						10				
4										2



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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

D376N7	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
D9QDJV	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18					
			20	16			23		12	
DA3YJJ	Investigator® 24plex									
						10				
4										
DGMZZV	PowerPlex® Fusion 5C									
						10				
4										
DGNRX4	GlobalFiler™									
						10				
4										
										2
DRGMKX	GlobalFiler™ Express									
						10				
4										
										2
EDXDHT	PowerPlex® Fusion 5C									
						10				
4										
EGHZG8	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
EML9G9										
						10				
4										
EQJPRG	PowerPlex® Y 23									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
EVY4D3	Yfiler™, PowerPlex® Fusion 6C									
	17	11,12	14	29	23	10	11	13	15	
4	10	13	20	14	18					
			20	16			23		12	
EX87QL	GlobalFiler™									
						10				
4										
										2

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

F3CHVX	Yfiler™	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18		23		12
F49Q8N	PowerPlex® Y 23	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18		22		
		12	11	20	16			23	11.2	12
F8NJYG	Yfiler™, PowerPlex® Fusion	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18		23		12
FJ3A7Y	GlobalFiler™						10			
4										2
FJ3DEF	PowerPlex® Fusion 5C						10			
4										
FNTUHT	Yfiler™, PowerPlex® Fusion 6C	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18				
				20	16			23		12
FZREB8	Yfiler™	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18		23		12
										2
G9W3AX	PowerPlex® Fusion 5C						10			
4										
GDALPJ	GlobalFiler™						10			
4										2
GQG6F	PowerPlex® Y 23, Investigator® 24plex QS	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18		22		
		12	11	20	16			23	11.2	12
GQJ767	PowerPlex® Y 23	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18		22		
		12	11	20	16			23	11.2	12
GUE694	Yfiler™, PowerPlex® Fusion 6C	17	11,12	14	29	23	10	11	13	15
4		10	13	20	14	18				
				20	16			23		12

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

GXVA8X	Yfiler™									
		17	11,12	14	29	23	10	11	13	
4	10	13	20		14	18				
								23		12
H4HG6X	PowerPlex® Fusion 10									
4										
H6W2VL	PowerPlex® Y 23, GlobalFiler™									
	-	17	11,12	14	29	23	10	11	13	15
4	10	13	20	-	14	18	-	22	-	-
	-	12	11	20	16	-	-	23	11.2	12
H82MRY	GlobalFiler™									
							10			
4										
										2
H9Q3TU	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
HEXPMJ	Yfiler™, GlobalFiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
HJFH8Y	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12
HRPZCP										
							10			
4										
										2
HUCN2W	PowerPlex® Y 23									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18		22		
		12	11	20	16			23	11.2	12
HVQACJ	PowerPlex® Fusion 6C									
							10			
4										
				20	16					
J3N9GD										
							10			
4										
										2
J6PC7F										
							10			
4										
										2

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
Item	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 4 - YSTR Results

JBYQU7	Investigator® 24plex										
4	10										
K3J2XH	Yfiler™, PowerPlex® Fusion 6C										
4	10	17	11,12	14	29	23	10	11	13	15	
		13	20		14	18					
				20	16			23		12	
KGEDFU	Yfiler™ PLUS										
4	10	35,36	17	11,12	14	29	23	10	11	13	15
			13	20	30	14	18	11	22		35
			12		20	16		23	23		12
											2
KHR3ND	Yfiler™										
4	10	-	17	11,12	14	29	23	10	11	13	15
			13	20	-	14	18	-	-	-	-
									23	-	12
											-
KTD479	PowerPlex® Fusion 6C										
4	10										
				20	16						
KU3VVK	Yfiler™, Investigator® 24plex QS										
4	10	N/A	17	11,12	14	29	23	10	11	13	15
			13	20	N/A	14	18	N/A	N/A	N/A	N/A
			N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
											N/A
L2F4UZ	PowerPlex® Fusion										
4	10										
L8UG2F	Yfiler™										
4	10	17	11,12	14	29	23	10	11	13	15	
		13	20		14	18					
								23		12	
LC6RTA	GlobalFiler™										
4	10										
											2
LFZNC9	Yfiler™, PowerPlex® Fusion										
4	10	17	11,12	14	29	23	10	11	13	15	
		13	20		14	18					
								23		12	
LP88QX	PowerPlex® Fusion 6C										
4	10										
				20	16						
LPLWRP	Yfiler™ PLUS										
4	10	35,36	17	11,12	14	29	23	10	11	13	15
			13	20	31	14	18	11	22		35
			12		20	16		23	23		12

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

LVT96P	GlobalFiler™									
4	10,R									
	2,R									
M2ZY2U	10									
4	2									
M8NR83	PowerPlex® Fusion									
4	10									
MB2PGA	Investigator® 24plex									
4	10									
MP29CF	PowerPlex® Y 23									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
MUHT32	10									
4										
MXZTK3	PowerPlex® Y 23									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
MYRTA	Yfiler™, PowerPlex® Fusion									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	
MZZ4AB	Yfiler™, PowerPlex® Fusion									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	
N4DDQL	Yfiler™, PowerPlex® Fusion 6C									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	
N8JPY9	PowerPlex® Y 23									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
	12	11	20	16			23	11.2	12	
NA9X64	PowerPlex® Fusion 6C									
4	10									
	20 16									

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

NBH8VF	GlobalFiler™										
4	10										
	2										
NHGJ6Q	GlobalFiler™										
4	10										
	2										
NJCB2X	PowerPlex® Fusion										
4	10										
NP2N68	Investigator® 24plex QS										
4	10										
NQULCD	PowerPlex® Y 23, PowerPlex® Fusion 5C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
NZ2DL9	PowerPlex® Y 23										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
P2ANFQ	Yfiler™, PowerPlex® Fusion 6C										
4	not tested	17	11,12	14	29	23	10	11	13	15	
	10	13	20	not tested	14	18	not tested	not tested	not tested	not tested	
	not tested	not tested	not tested	20	16	not tested	not tested	23	not tested	12	not tested
P82VYY											
4	10										
	20 16										
PA4VWB	PowerPlex® Fusion 5C										
4	10										
PC9L4Q	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
			20	16			23		12		
PEFQQM	Yfiler™ Plus, PowerPlex® Y 23										
4	35,36	17	11,12	14	29	23	10	11	13	15	
	10	13	20	30	14	18	11	22		35	
		12	11	20	16		23	23	11.2	12	
PFBJCX	PowerPlex® Fusion 6C										
4	10										
	20 16										

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	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

PJTLEW	PowerPlex® Fusion 6C										
4	10										
			20	16							
PK2WBZ	PowerPlex® Y 23, Investigator® 24plex										
4	10	17	11,12	14	29	23	10	11	13	15	
		12	11	20	16			22			
								23	11.2	12	
PQRDL6	Yfiler™, PowerPlex® Fusion										
4	10	17	11,12	14	29	23	10	11	13	15	
								23		12	
PQT27P	Yfiler™, PowerPlex® Fusion 6C										
4	10	17	11,12	14	29	23	10	11	13	15	
				20	16			23		12	
QAWBH7	Yfiler™										
4	10	-	17	11,12	14	29	23	10	11	13	15
								23		12	-
QBBKNL	PowerPlex® Fusion										
4	10										
QC6G48	GlobalFiler™										
4	10										
										2	
QGZAW3	Investigator® 24plex										
4	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QH8GCN	Yfiler™ PLUS, GlobalFiler™										
4	10	35,36	17	11,12	14	29	23	10	11	13	15
			12	20	16			23	23	12	2
QTQTPM	GlobalFiler™ Express										
4	10										
										2	
R3FVU4	Yfiler™, Investigator® 24plex										
4	10	17	11,12	14	29	23	10	11	13	15	
								23		12	
RAFAJB	PowerPlex® Fusion 6C										
4	10	17	11,12	14	29	23	10	11	13	15	
				20	16			23		12	

TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

RC28FF	Investigator® 24plex									
4	10									
RFMZJV	Yfiler™									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	2
RUHAEN	Yfiler™, PowerPlex® Fusion 6C									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	
T8YL7N	Yfiler™, PowerPlex® Fusion 6C									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	
TBQJ2A	PowerPlex® Y 23, GlobalFiler™									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12	2
TH88GX	Yfiler™									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
							23		12	
U767JJ	GlobalFiler™									
4	10									
	2									
UAN7VT	PowerPlex® Y 23, PowerPlex® Fusion 5C									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12	
UE3XPT	GlobalFiler™									
4	10									
	2									
UHKX8T	PowerPlex® Fusion 6C									
4	10									
			20	16						
UJWX4N	PowerPlex® Y 23									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18		22			
		12	11	20	16		23	11.2	12	
UR6J3P	Yfiler™, PowerPlex® Fusion 6C									
4	17	11,12	14	29	23	10	11	13	15	
	10	13	20	14	18					
			20	16			23		12	



TABLE 2

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

UUUMXH	PowerPlex® Y 23, PowerPlex® Fusion 5C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18		22		
		12	11	20	16			23	11.2	12
UXGX9	GlobalFiler™									
							10			
4										
										2
UZ3833	Yfiler™, PowerPlex® Fusion									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
V3MDZ4	Investigator® 24plex									
							10			
4										
V73ZFV	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
V9A4LY	Yfiler™, PowerPlex® Fusion									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
VK73FQ										
							10			
4										
										2
W8D32T	Investigator® 24plex QS									
							10			
4										
WDH2BX	GlobalFiler™									
							10			
4										
										2
WE98QN	PowerPlex® Fusion 6C									
							10			
4										
			20	16						
WGFHMR	Yfiler™									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
								23		12
WLAECJ	Yfiler™, PowerPlex® Fusion 6C									
		17	11,12	14	29	23	10	11	13	15
4	10	13	20		14	18				
				20	16			23		12

TABLE 2

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 4 - YSTR Results

WPTENR	PowerPlex® Fusion										
4	10										
WRZYA8	GlobalFiler™										
4	10										
	2										
X2KKZM	PowerPlex® Y 23										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
X4APXZ	GlobalFiler™										
4	10										
	2										
X6KMXB	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
			20	16			23		12		
XERBW4	PowerPlex® Fusion										
4	10										
XTBTVY	PowerPlex® Y 23										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
XU4Q47	PowerPlex® Y 23										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
XYD3Z7	Yfiler™, Investigator® 24plex QS										
4	N/A	17	11,12	14	29	23	10	11	13	15	
	10	13	20	N/A	14	18	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12	N/A
YA8UVA	Yfiler™, PowerPlex® Fusion 6C										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18						
			20	16			23		12		
YE4JCG	PowerPlex® Y 23										
4	17	11,12	14	29	23	10	11	13	15		
	10	13	20	14	18		22				
	12	11	20	16			23	11.2	12		
YT8VVM	PowerPlex® Fusion 6C										
4	10										
	20										
	16										

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	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
<b>Item 4 - YSTR Results</b>											
YVNABG	PowerPlex® Fusion 6C										
4											
			20	16				10			
Z2TER8	PowerPlex® Fusion 5C										
4											
								10			
Z9W8ZG	Yfiler™, PowerPlex® Fusion 6C										
4											
	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18					
				20	16			23		12	
ZANCGV	PowerPlex® Y 23, Investigator® 24plex QS										
4											
	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18		22			
		12	11	20	16			23	11.2	12	
ZCDLTH											
4											
								10			
											2
ZEVWCE	GlobalFiler™										
4											
								10			
											2
ZJAKYW	Yfiler™										
4											
	10	-	17	11,12	14	29	23	10	11	13	15
				20	-	14	18	-	-	-	-
									23	-	12
											-
ZWKT8G	Yfiler™, PowerPlex® Fusion 6C										
4											
	10	17	11,12	14	29	23	10	11	13	15	
			20		14	18					
				20	16			23		12	
ZXVZ2W	Yfiler™										
4											
	10	-	17	11,12	14	29	23	10	11	13	15
				20	-	14	18	-	-	-	-
									23	-	12
											-

# **Additional DNA Results**

TABLE 3

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

<b>Locus</b>	<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 3e</b>	<b>Item 3sp</b>	<b>Item 4</b>	<b>Item 4e</b>	<b>Item 4sp</b>
--------------	----------------	---------------	---------------	---------------	----------------	-----------------	---------------	----------------	-----------------

No additional DNA results were reported for release.

# 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
2BD34L	No	No	No	Yes	4CK4Z4	No	No	No	Yes
2BU6ME	No	No	No	Yes	4EQJCG	No	No	No	Yes
2CU2J4	No	No	No	Yes	4F2D4A	No	No	No	Yes
2D39NH	No	No	No	Yes	4J2FE6	No	No	No	Yes
2KLG99	No	No	No	Yes	4QGA48	No	No	No	Yes
2KMA7F	No	No	No	Yes	4UJ43C	No	No	No	Yes
2MR2UM	No	No	No	Yes	63PFKR	No	No	No	Yes
2N4Q78	No	No	No	Yes	63UZAF	No	No	No	Yes
2XPXVP	No	No	No	Yes	63Y7ZQ	No	No	No	Yes
328EQE	No	No	No	Yes	66C7JB	No	No	No	Yes
33XURA	No	No	No	Yes	66J68T	No	No	No	Yes
348R7R	No	No	No	Yes	6BJHWB	No	No	No	Yes
34QQBC	No	No	No	Yes	6GDMGT	No	No	No	Yes
3KXQDE	No	No	No	Yes	6H3TXJ	No	No	No	Yes
3LFHPJ	No Interpretations Reported, DNA Analyzed for Database purposes only.				6KAYR8	No	No	No	Yes
3Q69LE	No	No	No	Yes	6N9HJX	No	No	No	Yes
3Z8LNZ	No	No	No	Yes	6PLYUP	No	No	No	Yes
3ZACVH	No	No	No	Yes	6QXP4U	No	No	No	Yes
3ZUVZP	No	No	No	Yes	7D8GHD	No	No	No	Yes
42M69X	No	No	No	Yes	7G9E3D	No	No	No	Yes
42ZRQC	No	No	No	Yes	7L4CGW	No	No	No	Yes
48Q3YP	No Interpretations Reported, DNA Analyzed for Database purposes only.				7TX9E8	No	No	No	Yes
49MFLH	No Interpretations Reported, DNA Analyzed for Database purposes only.				7VNHK3	No	No	No	Yes
					7XWHRU	No Interpretations Reported, DNA Analyzed for Database purposes only.			

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
8369N9	No	No	No	Yes	ACZ92P	No	No	No	Yes
83PXXG	No Interpretations Reported, DNA Analyzed for Database purposes only.				AKDCZB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
84GXYX	No	No	No	Yes	AKUJ8D	No	No	No	Yes
86UPRF	No	No	No	Yes	ALTJCK	No	No	No	Yes
87MJMX	No	No	No	Yes	AT9AVQ	No	No	No	Yes
89T4BX	No	No	No	Yes	AU8B2H	No Interp	No Interp	No Interp	No Interp
8JPA4W	No	No	No	Yes	AW7X2Y	No	No	No	Yes
8K3NUQ	No	No	No	Yes	AX8GH9	No	No	No	Yes
8M4WRA	No	No	No	Yes	AXXWFX	No	No	No	Yes
8PVU32	No	No	No	Yes	B2XDHJ	No	No	No	Yes
8RMYRT	No	No	No	Yes	B8PHD9	No	No	No	Yes
968GFP	No	No	No	Yes	B9ZKZ8	No	No	No	Yes
96MZZM	No	No	No	Yes	BRRHC8	No	No	No	Yes
98BGAV	No	No	No	Yes	BVTCHP	No	No	No	Yes
9F7JER	No	No	No	Yes	BXTWT3	No	No	No	Yes
9GZ3JZ	No	No	No	Yes	BY97XM	No	No	No	Yes
9HUQ6G	No	No	No	Yes	BYVATH	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9KXLJD	No	No	No	Yes	C3B68U	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9PTKNA	No	No	No	Yes	CARXZ6	No	No	No	Yes
9QMYML	No	No	No	Yes	CCG4K3	No	No	No	Yes
9U3T2X	No	No	No	Yes	CEZ4VC	No	No	No	Yes
9VKMZM	No	No	No	Yes	CFZ2BD	No	No	No	Yes
9WBTC7	No	No	No	Yes	CJXMZV	No	No	No	Yes
A7VL29	No	No	No	Yes	CMQT87	No	No	No	Yes
A8VBU7	No	No	No	Yes	CVPA8C	No	No	No	Yes
AAT3D3	No	No	No	Yes					

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
CXF7J	No	No	No	Yes	FZREB8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
CYKAW8	No	No	No	Yes	G8K9LB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D27FQ3	No	No	No	Yes	G9W3AX	No	No	No	Yes
D376N7	No	No	No	Yes	GDALPJ	No	No	No	Yes
D7YDJZ	No	No	No	Yes	GQGH6F	No	No	No	Yes
D9QDJV	No	No	No	Yes	GQJ767	No	No	No	Yes
DA3YJJ	No	No	No	Yes	GUE694	No	No	No	Yes
DGMZZV	No	No	No	Yes	GXVA8X	No	No	No	Yes
DGNRX4	No	No	No	Yes	H4HG6X	No	No	No	Yes
DQ9H33	No	No	No	Yes	H4MWKJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DRGMKX	No	No	No	Yes	H6W2VL	No	No	No	Yes
DV9E3V	No	No	No	Yes	H82MRY	No	No	No	Yes
DXBBTP	No Interpretations Reported, DNA Analyzed for Database purposes only.				H9Q3TU	No	No	No	Yes
EDXDHT	No	No	No	Yes	HDMRA2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EGHZG8	No	No	No	Yes	HEXPMJ	No	No	No	Yes
EML9G9	No	No	No	Yes	HJFH8Y	No	No	No	Yes
EQJPRG	No	No	No	Yes	HRPZCP	No	No	No	Yes
EVY4D3	No	No	No	Yes	HUCN2W	No	No	No	Yes
EX87QL	No	No	No	Yes	HVQACJ	No	No	No	Yes
F3CHVX	No Interp	No Interp	No Interp	No Interp	J3N9GD	No	No	No	Yes
F49Q8N	No	No	No	Yes	J6PC7F	No	No	No	Yes
F7DJVJ	No	No	No	Yes	J72YX2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
F8NJYG	No	No	No	Yes	JB8A9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FJ3A7Y	No	No	No	Yes	JBYQU7	No	No	No	Yes
FJ3DEF	No	No	No	Yes	K3J2XH	No	No	No	Yes
FNTUHT	No	No	No	Yes					

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
K9AJA9	No Interpretations Reported, DNA Analyzed for Database purposes only.				NA9X64	No	No	No	Yes
KGEDFU	No	No	No	Yes	NB8HVF	No	No	No	Yes
KHCYV8	No Interpretations Reported, DNA Analyzed for Database purposes only.				NHGJ6Q	No	No	No	Yes
KHR3ND	No	No	No	Yes	NJCB2X	No	No	No	Yes
KLUYD9	No Interpretations Reported, DNA Analyzed for Database purposes only.				NP2N68	No	No	No	Yes
KTD479	No	No	No	Yes	NQULCD	No	No	No	Yes
KU3VVK	No	No	No	Yes	NZ2DL9	No	No	No	Yes
L2F4UZ	No	No	No	Yes	P2ANFQ	No	No	No	Yes
L8UG2F	No	No	No	Yes	P82VYY	No	No	No	Yes
LC6RTA	No	No	No	Yes	PA4VWB	No	No	No	Yes
LFZNC9	No	No	No	Yes	PC9L4Q	No	No	No	Yes
LP88QX	No	No	No	Yes	PEFQQM	No	No	No	Yes
LPLWRP	No	No	No	Yes	PFBJCX	No	No	No	Yes
LVT96P	No	No	No	Yes	PFQRCL	No	No	No	Yes
M2ZY2U	No	No	No	Yes	PJRW9E	No Interpretations Reported, DNA Analyzed for Database purposes only.			
M8NR83	No	No	No	Yes	PJTLEW	No	No	No	Yes
MB2PGA	No	No	No	Yes	PK2WBZ	No	No	No	Yes
MEMCCH	No	No	Yes	No	PLJNM7	No	No	No	Yes
MP29CF	No	No	No	Yes	PMMPZN	No	No	No	Yes
MUHT32	No	No	No	Yes	PQRDL6	No	No	No	Yes
MXZTK3	No	No	No	Yes	PQT27P	No	No	No	Yes
MYRTRA	No	No	No	Yes	QAWBH7	No	No	No	Yes
MZZ4AB	No	No	No	Yes	QBBKNL	No	No	No	Yes
N4DDQL	No	No	No	Yes	QC6G48	No	No	No	Yes
N8JPY9	No	No	No	Yes	QGZAW3	No	No	No	Yes
					QH8GCN	No	No	No	Yes



TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
QQ2PQN	No	No	No	Yes	UZ3833	No	No	No	Yes
QTQTPM	No	No	No	Yes	V3MDZ4	No	No	No	Yes
QXJZ4N	No	No	No	Yes	V73ZJV	No	No	No	Yes
R3FVU4	No	No	No	Yes	V9A4LY	No	No	No	Yes
RAFAJB	No	No	No	Yes	VK73FQ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RC28FF	No	No	No	Yes	W8D32T	No	No	No	Yes
RFMZJV	No Interpretations Reported, DNA Analyzed for Database purposes only.				WDH2BX	No	No	No	Yes
RKD97B	No Interpretations Reported, DNA Analyzed for Database purposes only.				WE98QN	No	No	No	Yes
RPQVZF	No	No	No	Yes	WGFHMR	No	No	No	Yes
RUHAEN	No	No	No	Yes	WLAECJ	No	No	No	Yes
T8YL7N	No	No	No	Yes	WPTENR	No	No	No	Yes
TBQJ2A	No	No	No	Yes	WRZYA8	No	No	No	Yes
TCGW8Y	No Interpretations Reported, DNA Analyzed for Database purposes only.				WVZZK3	No Interp	No Interp	No Interp	No Interp
TH88GX	No	No	No	Yes	WX7K83	No	No	No	Yes
U6ZLUY	No Interpretations Reported, DNA Analyzed for Database purposes only.				X2KKZM	No	No	No	Yes
U767JJ	No	No	No	Yes	X4APXZ	No	No	No	Yes
UAN7VT	No	No	No	Yes	X6KMXB	No	No	No	Yes
UE3XPT	No Interpretations Reported, DNA Analyzed for Database purposes only.				XERBW4	No	No	No	Yes
UHKX8T	No	No	No	Yes	XTBTVY	No	No	No	Yes
UJWX4N	No	No	No	Yes	XU4Q47	No	No	No	Yes
UMCAZ6	No Interpretations Reported, DNA Analyzed for Database purposes only.				XUEXXL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UR6J3P	No	No	No	Yes	XYD3Z7	No	No	No	Yes
UUUMXH	No	No	No	Yes	XZ4HYF	No	No	No	Yes
UXCVAN	No Interpretations Reported, DNA Analyzed for Database purposes only.				YA8UVA	No	No	No	Yes
UXXGX9	No	No	No	Yes	YE4JCG	No	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
YGCEBT	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YT8VVM	No	No	No	Yes					
YVNABG	No	No	No	Yes					
Z2TER8	No	No	No	Yes					
Z38PJK	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Z9W8ZG	No	No	No	Yes					
ZANCGV	No	No	No	Yes					
ZCDLTH	No	No	No	Yes					
ZEVWCE	No	No	No	Yes					
ZJAKYW	No	No	No	Yes					
ZTMA4W	No	No	No	Yes					
ZWKT8G	No	No	No	Yes					
ZXVZ2W	No	No	No	Yes					

<b>DNA Interpretation</b>					
<b>Response Summary</b>	<b>Participants reporting DNA results: 263</b>				
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 &amp; 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		<b>0</b>	<b>0</b>	<b>1</b>	<b>229</b>
No		<b>230</b>	<b>230</b>	<b>229</b>	<b>1</b>
Inc		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
No Interpretation		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
No Response		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Participants analyzing DNA for database purposes only: 30

# Additional Comments

## TABLE 5

WebCode	Additional Comments
2BU6ME	NR = No Reaction
2N4Q78	NR = No Reaction
2XPXVP	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is admitted that some stutter peaks can be recognized as true peaks. Minifiler results concordant with Investigator 24plex kit. Y-Filer results are concordant with DYS391 locus from the Investigator 24plex kit.
348R7R	NR = No Results
3LFHPJ	Y indel was generated from the Globalfiler and added to the Yfiler profile for items 2 and 4. DYS391 was consistent in Globalfiler and Yfiler for items 2 and 4.
3Q69LE	NR = no reaction
42ZRQC	NR = No Results
49MFLH	Y indel was generated from Globalfiler and added to YFiler profile for item 2 and item 4. DYS391 was consistent in Globalfiler and YFiler for 2 and 4.
4QGA48	NR=No Reaction
63PFKR	The probabilistic genotyping software STRmix was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
66C7JB	NR=no reaction
6GDMGT	Male Screening preparation, laboratory processing, and interpretation were performed by this analyst. STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
6KAYR8	The Item 3 (single source) corresponds to an unknown female. The item 4 (single source) matches with item 2 (suspect) RMP = 1,27e+41. A new variant allele was found in DYS643 (11.2) for item 2 and item 4.
6PLYUP	NR: No Results
6QXP4U	Item A1-3: D3, DS1338, Penta D, TH01, D21, and TPOX had peak height ratios less than 55%. D10 - 16 allele less than stochastic (520 rfu) - sister peak may have dropped out.
86UPRF	NR = No Result. Note: Item 1-2.1 (Y amplification) analyzed for database purposes only.
89T4BX	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzers with GeneMapper ID Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
8JPA4W	The reference sample ITEM # 1, show a peak height Ratio less than 60% for CSF1PO for Investigator 24 Plex GO! Methodology. The sample was reamplified and the same results was obtained. For our interpretation guidelines, it is an inconclusive results for locus CSF1PO on ITEM #1. The reference sample ITEM # 2, show a peak height Ratio less than 60% for SE33 for Investigator 24 Plex GO! Methodology. The sample was retypified and the same results was obtained. For our interpretation guidelines, it is an inconclusive results for locus SE33 on ITEM #2.
8K3NUQ	NR = No Results
8M4WRA	NR=No Reaction

TABLE 5

WebCode	Additional Comments
8PVU32	NR = No Reaction
968GFP	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
96MZZM	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is admitted that some stutter peaks can be recognized as true peaks. Male screening interpretation, review, and report writing was covered in this proficiency test.
9HUQ6G	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
9QMYML	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for plus and minus stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables
9VKMZM	NR: NO RESULTS
A7VL29	NR = No Reaction
ACZ92P	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
ALTJCK	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is admitted that some stutter peaks can be recognized as true peaks. Male screening interpretation, review, and report writing was covered in this proficiency test. For Item 2 and Item 4, DYS391 was amplified in both the 24plex and Y23 kits.
AT9AVQ	NR = No Results
AU8B2H	Item 1 and Item 2 results for DYS391 concordant between Investigator 24plex and Y-filer
AW7X2Y	NR=No Reaction
AX8GH9	ND = no data. * = OL allele was confirmed, but would not be reported in casework or used to for statistics. There isn't any variant allele information for DYs643 on the STRbase website.
B2XDHJ	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
BY97XM	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
CCG4K3	NR=no results. For Item 2 and Item 4: DYS391 is an overlapping locus for Fusion 6C and Yfiler kits; DYS576 and DYS570 are from the Fusion 6C kit only.
CFZ2BD	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Male Screening (using Plexor HY) was performed on items 3 and 4.
CMQT87	NR = no results
D9QDJV	NR = no reaction
DA3YJJ	The probabilistic genotyping software STRmix® was used on this proficiency. All possible alleles generated in the Genotype Probability Distribution output files were reported.
EVY4D3	NR = No Reaction
F8NJYG	NR = No Results

TABLE 5

WebCode	Additional Comments
FNTUHT	NR= No Reaction
FZREB8	Y indel was generated from GlobalFiler and added to YFiler profile for items 2 and 4. DYS391 was consistent in GlobalFiler and YFiler for items 2 and 4.
GQGH6F	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is admitted that some stutter peaks can be recognized as true peaks. Male screening interpretation, review and report writing was covered in this proficiency test.
H4HG6X	1. According to the results obtained with the Powerplex Fusion amplification system, it was determined a genetic profile in the reference sample of the victim, labeled in the laboratory with the internal control number 6201-17, which belongs to a female individual and presents a genotype probability of only 1 of each 64,652,801,756,622,400,000,000,000,000 individuals of the population, this profile is susceptible to future confrontations. 2. According to the results obtained with the Powerplex Fusion amplification system, it was determined a genetic profile in the reference sample of the suspect, labeled in the laboratory with the internal control number 6202-17, which belongs to a male individual, this profile is susceptible to future confrontations. 3. According to the results obtained with the Powerplex Fusion amplification system, it was determined a genetic profile in the stain sample recovered from the victim's blouse, labeled in the laboratory with the control number 6203-17, which belongs to a female individual and presents a genotype probability of only 1 of each 4,321,912,463,665,810,000,000,000,000,000,000 individuals of the population, which is not related to the victim or the suspect, this profile is susceptible to future confrontations. 4. Based on the results obtained from the genetic system of human identification Powerplex Fusion and the statistical analysis performed it is established that it is 2,834,931,527,641,830,000,000,000,000,000 times more likely that the genetic profile obtained from the recovered stain from the victim's pants, labeled in the laboratory with the control number 6204-17, has the same biological origin as the genetic profile obtained from the reference sample taken from the suspect than any other individual not related with him and taken at random in the population.
HJFH8Y	NR = No Result
JBYQU7	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
KHR3ND	1. Item 1 and Item 2 were extracted using in-situ method and amplified using AmpFISTR Identifiler Direct Kit. 2. Item 3 and Item 4 were extracted using chelex extraction method and quantified using Quantifiler Human DNA kit and carried out by 7500 Real Time PCR. 3. Amplification was done using AmpFISTR Identifiler Plus Kit. 4. Item 2, Item 3 and Item 4 were amplified using Y-Filer Kit. 5. Item 1, Item 2, Item 3 and Item 4 were run using Genetic Analyzer 3130xl. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the designated results.
KU3VVK	The reference sample Item 1 showed a peak height ratio less than 60% for CSF1PO for Investigator 24 Plex Go!. The sample was reamplified and the same result was observed. For our interpretation guidelines it is an inconclusive result for locus CSF1PO, Item 1.
L2F4UZ	ND = Not detected
LFZNC9	NR indicates no results
M8NR83	ND=not detected
MB2PGA	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
MUHT32	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
MYRTA	NR stands for "no results"

TABLE 5

WebCode	Additional Comments
MZZ4AB	NR=no results
N4DDQL	NR = No Reaction
NP2N68	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Male screening interpretation, review, and report writing was covered in this proficiency test.
NZ2DL9	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
P2ANFQ	NR = No Results. For Item #1-1.1 and Item #1-3.1: Y-STR loci DYS391, DYS570, and DYS576 were tested as part of the PowerPlex Fusion 6C kit. For Item #1-2.1 and Item #1-4.1: Y-STR locus DYS391 was tested in both the PowerPlex Fusion 6C kit and the Yfiler kit. Y-STR loci DYS570 and DYS576 were tested as part of the PowerPlex Fusion 6C kit.
PK2WBZ	The probabilistic genotyping software STRmix was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
PLJNM7	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
PQRDL6	NR= No results
PQT27P	NR = NO RESULT
QAWBH7	1)Item 1 and Item 2 were extracted using the in-situ extraction method. 2)Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex method and quantification was carried out using the Quantifiler Human DNA Quantification kit. 3) Y-STR was carried out for Item 1, Item 2, Item 3 and Item 4 using the AmpFiSTR Y-Filer kit. 4) Item 3 and Item4 were amplified using Identifiler Plus STR kit. 5) Item 1 and Item2 were amplified using Identifiler Direct STR kit. 6) Electrophoresis was carried out using 3130xl Genetic Analyzer. 7) Reagent blank, positive control and negative control were also incorporated throughout the analysis.
QGZAW3	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for plus and minus stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. DYS391 locus part of Investigator 24plex kit used in testing of samples, however no result obtained for this locus on item 1 and item 3.
R3FVU4	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
RFMZJV	Results from Y-indel was generated from GlobalFiler and added to Yfiler profile for items 2 and 4. DYS391 was consistent in GlobalFiler and Yfiler for items 2 and 4.
RUHAEN	NR = No Reaction
T8YL7N	NR = no reaction
TCGW8Y	DYS391 concordant between Investigator 24plex GO! and Yfiler
TH88GX	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Y-Filer results are concordant with DYS391 locus from the Investigator 24plex kit.
UMCAZ6	NR = No Results
UR6J3P	NR = No Reaction
UXCVAN	Only competent to analyze known standards.

TABLE 5

WebCode	Additional Comments
UZ3833	NR = no results
V73ZJV	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Y-Filer results are concordant with the DYS391 locus from the Investigator 24plex kit.
V9A4LY	NR= No Results
W8D32T	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
WGFHMR	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
WLAECJ	NR = No results
WPTENR	ND=Not detected
X2KKZM	An off ladder allele at DYS643 (11.2) was observed with the PowerPlex® Y23 results for items 2 and 4.
X6KMXB	NR= No Reaction
XTBTVY	The probabilistic genotyping software STRmix was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
YA8UVA	NR = No Reaction
Z9W8ZG	NR = No Reaction
ZANCGV	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is admitted that some stutter peaks can be recognized as true peaks. Male screening interpretation, review, and report writing was covered in this proficiency test.
ZJAKYW	1. Item 1 and Item 2 were extracted using the in-situ extraction method. 2. Item 3 and Item 4 were extracted using the chelex method. 3. Quantification was carried out using the Quantifiler Human DNA Quantification kit. 4. Y-STR was carried out for Item 2, Item 3 and Item 4 using the AmpFiSTR Y-Filer kit. 5. Item 3 and Item 4 were amplified using Identifiler Plus STR kit. 6. Item 1 and Item 2 were amplified using Identifiler Direct STR kit. 7. Electrophoresis was carried out using 3130xl and 3500 Genetic Analyzer. 8. Reagent blank, Positive Control and Negative Control were also incorporated throughout the analysis.
ZTMA4W	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks.
ZWKT8G	NR = No Result
ZXV2W	1. Item 1 and Item 2 were extracted using in-situ method and amplified using Identifiler Direct in the 9700 thermal cycler. 2. Item 3 and Item 4 were extracted using DNAIQ KIT and run via Tecan Freedom EVO 150TM and quantified using Quantifiler Human DNA quantitation kit carried out by 7500 Real Time PCR. Amplification was done using AmpFiSTR Identifiler Plus Kit. 3. Item 2, Item 3 and Item 4 were amplified using YFiler Kit in the 9700 thermal cycler. 4. All electrophoresis process were carried out by Genetic Analyzer 3130xl. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

## **Test No. 17-5805: DNA-Blood**

DATA MUST BE RECEIVED BY November 6, 2017 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### **Accreditation Release Statement**

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and 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 on the last page must be completed and submitted.)
- This participant's data is **NOT** intended for submission to ASCLD/LAB, ANAB or A2LA.

#### Scenario:

Police are investigating the assault of a female victim at a bar. The victim claimed that while leaving a sports bar, she was assaulted by other patrons of the bar for "wearing the wrong team's shirt". After interviewing several witnesses, investigators were able to identify a suspect. Investigators submitted items of evidence and the screening has been completed with the following results: both the shirt collected from the victim (Item 3) and the pants collected from the victim (Item 4) tested positive for blood only. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples from the victim (Item 1) and the 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 the victim's shirt (yellow)
- Item 4: Questioned blood stain from the victim's pants (grey heather)

**Please return all pages of this data sheet.**

Page 1 of 8



Part I: DNA ANALYSIS

DNA Analysis Instructions:

Use the instructions below to complete the following DNA Analysis sections of this data sheet.

- \* Report alleles in numerical order, separated by a comma.
- \* Follow your laboratory policy for reporting homozygotes (i.e. X,X or X).

**\*\*Please note Data Sheet Changes\*\***

The data sheet has been updated to account for loci covered in newer amplifications kits.

Reporting of YSTR alleles generated from primarily autosomal STR multiplex systems.

- 1)** Select the amplification kit in the YSTR results section.
- 2)** Record your YSTR allele(s) in the YSTR results section.
- 3)** If necessary, discuss overlapping loci results in the Additional Comments section.

Additional DNA Results:

Please use the section below to report results only for loci not available on the following pages.

	Item 1	Item 2	Item 3	Item 4
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Please return all pages of this data sheet.**

Part I (continued): DNA Results for Known Item 1

**STR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® \_\_\_\_\_
  PowerPlex® \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 GlobalFiler™ \_\_\_\_\_
  COfiler®/Profiler Plus® \_\_\_\_\_
  ForenSeq™ Other \_\_\_\_\_

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	Penta E	SE33	TH01	TPOX	vWA	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

**YSTR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® \_\_\_\_\_
  PowerPlex® Fusion \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 PowerPlex® Y \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  ForenSeq™ Other \_\_\_\_\_

<b>ITEM</b>	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>ITEM</b>	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>ITEM</b>	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return all pages of this data sheet.

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

**STR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® \_\_\_\_\_
  PowerPlex® \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 GlobalFiler™ \_\_\_\_\_
  COfiler®/Profiler Plus® \_\_\_\_\_
  ForenSeq™ Other \_\_\_\_\_

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	Penta E	SE33	TH01	TPOX	vWA	
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

**YSTR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® \_\_\_\_\_
  PowerPlex® Fusion \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 PowerPlex® Y \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  ForenSeq™ Other \_\_\_\_\_

<b>ITEM</b>	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>ITEM</b>	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>ITEM</b>	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return all pages of this data sheet.

Part I (continued): DNA Results for Questioned Item 3

**STR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® \_\_\_\_\_
  PowerPlex® \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_

GlobalFiler™ \_\_\_\_\_
  COfiler®/Profiler Plus® \_\_\_\_\_
  ForenSeq™ \_\_\_\_\_
 Other \_\_\_\_\_

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
3						

ITEM	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
3						

ITEM	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
3						

ITEM	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
3						

ITEM	Penta E	SE33	TH01	TPOX	vWA
3					

**YSTR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® \_\_\_\_\_
  PowerPlex® Fusion \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_

PowerPlex® Y \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  ForenSeq™ \_\_\_\_\_
 Other \_\_\_\_\_

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437
3										

ITEM	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
3										

ITEM	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
3											

Please return all pages of this data sheet.

Part I (continued): DNA Results for Questioned Item 4

**STR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® \_\_\_\_\_
  PowerPlex® \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_

GlobalFiler™ \_\_\_\_\_
  COfiler®/Profiler Plus® \_\_\_\_\_
  ForenSeq™ \_\_\_\_\_
 Other \_\_\_\_\_

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
4						

ITEM	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
4						

ITEM	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
4						

ITEM	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
4						

ITEM	Penta E	SE33	TH01	TPOX	vWA
4					

**YSTR Amplification Kit(s) Used:** Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® \_\_\_\_\_
  PowerPlex® Fusion \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_

PowerPlex® Y \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  ForenSeq™ \_\_\_\_\_
 Other \_\_\_\_\_

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437
4										

ITEM	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
4										

ITEM	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
4											

Please return all pages of this data sheet.



Collaborative Testing Services - Forensic Testing Program

**RELEASE OF DATA TO ACCREDITATION BODIES**

The following Accreditation Releases will apply only to:

Participant Code: \_\_\_\_\_ WebCode: \_\_\_\_\_

for Test No. **17-5805: DNA-Blood**

This release page must be completed and received by **November 6, 2017** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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**

**ASCLD/LAB** Certificate No. \_\_\_\_\_

**ANAB** Certificate No. \_\_\_\_\_

**A2LA** Certificate No. \_\_\_\_\_

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

Signature and Title \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

<b>Accreditation Release</b>	
<b><u>Return Instructions</u></b>	
<i>Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.</i>	<i>Questions? Contact us 8 am-4:30 pm EST Telephone: +1-571-434-1925 email: forensics@cts-interlab.com</i>

**Please return all pages of this data sheet.**