



## DNA-Blood Test No. 18-5805 Summary Report

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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 268 participants and are compiled into the following tables:

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

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

## **Manufacturer's Information**

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains; one on clean, brown material (Item 3) and one on clean, off-white 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 3 (50  $\mu$ l) were both prepared using blood collected from the same male donor. Item 4 (50  $\mu$ l) was prepared using blood collected from another male donor different from the donor used for Items 2 and 3. 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 5, 2018 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.

## Manufacturer's Information, continued

### Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	15,16.3	19,20	11,14	15,15	11,13	*
	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NM	NM	NM	NM	
2	12,13	19,19	11,14	16,17	12,12	*
	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	2	
3	12,13	19,19	11,14	16,17	12,12	*
	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	2	
4	14,15	17,22	14,14.1	14,15	8,12	*
	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15	2	

### YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	36,39	14	16,18	14	31	21	11	11	13
	14	11	11	21	30	14	16	11	24
	39	11	12	21	16	18	21	15	11
3	36,39	14	16,18	14	31	21	11	11	13
	14	11	11	21	30	14	16	11	24
	39	11	12	21	16	18	21	15	11
4	37,38	14	14,21	12	28	26	11	11	13
	14	11	11	19	27	15	16	11	25
	39	14	12	19	15	22	24	11	11

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

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

## Summary Comments

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

Of the 268 participants that returned results, 226 reported DNA interpretations. Thirty-eight participants stated that the samples were only analyzed for database purposes. Three participants did not return results and only submitted comments, stating that only specific components of the process were performed by the analyst.

Nine participants reported allelic results that differed from consensus/predistribution results for one or more items. These inconsistencies are detailed below.

For the Item 1 stain, all but one participant reported allelic results that matched the consensus/predistribution results. This one participant reported an inconsistent allele at the D2S441 locus.

For the Item 2 stain, all participants reported allelic results that matched the consensus/predistribution results.

For the Item 3 stain, all but one participant reported allelic results that matched the consensus/predistribution results. This one participant reported an inconsistent allele at the FGA locus. All 225 participants that reported interpretations excluded the victim (Item 1). All 226 participants that reported interpretations included the suspect (Item 2) as a possible contributor.

For the Item 4 stain, all but five participants reported allelic results that matched the consensus/predistribution results. These participants were missing an allele at the D2S441 locus where the consensus was "14,14.1", one of which reported "14,OL" but stated in the additional comments section that it appears to be 14.1. Two participants reported inconsistent alleles or were missing alleles at one or more YSTR loci for Item 4. All 225 participants that reported interpretations excluded the victim (Item 1). All 226 participants that reported interpretations excluded the suspect (Item 2) as a possible contributor.

A total of 117 total participants reported the use of probabilistic genotyping software. Of these, one participant reported using Lab Retriever, four participants reported using RMP by Familias, and four participants reported using NDB software. The remainder of participants indicated the use of STRmix.

# STR Amplification Kit(s) & Results

TABLE 1

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

## Item 1 - STR Results

2AA3MK	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
2AUPZ9	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
2B3X6M	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
2BK8XN	Investigator® 24plex GO					
	15,16.3	19,20	11,14	15,15	11,13	N/A
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	N/A	N/A	27.2,27.2	6,9.3	8,8
	16,18	N/A	N/A	N/A	N/A	
2HPL4Y	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
2HQFPQ	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

2KNKYJ	Investigator® 24plex					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
2LJ9FT	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
2RBUNL	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
2XGH49	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	N.D.			N.D.	
2XQBFG	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
34YW3T	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
38H8G4	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

39UA2G	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
3EV3XC	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
3K6Y3M	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	ND	ND	ND		
3UVZJ3	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
4BVB67	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18					
4BVM7L	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
4HGLWU	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				

TABLE 1

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

## Item 1 - STR Results

4Q7U2C	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	No Results			No Results	
4V3XAP	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results				
4WVVEP	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
6ADLGJ	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		XX	12,12
	19,23				6,9.3	8,8
	16,18					
6BB7QJ	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18	No Results				
6BUYHG	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Reaction	No reaction	No Reaction		
6DDTXB	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					



TABLE 1

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

## Item 1 - STR Results

6K4JMX	Identifiler®, MiniFiler					
		19,20		15	11,13	
1	10,12	13			11,14	9,13
	17	13,14	28,30		X	12
	19,23				6,9.3	8
	16,18					
6KXQQ6	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18					
6UMZCX	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
6XLGKL	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
786NM3	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
7DTBFM	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
7GYDLW	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

7JGFKP	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					
7JWF87	Investigator® 24plex QS (STRmix)					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
7NV9LG	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	Not Tested
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Results	No Results	No Results	Not Tested	
7PQT9F	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
7QFJEA	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
7W6X4F	Investigator® 24plex (STRmix)					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
7XHAY6	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				

TABLE 1

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

## Item 1 - STR Results

8CHCVJ	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					
8H8KNP	Identifiler® Direct					
	-	19,20	-	15	11,13	-
1	10,12	13	-	-	11,14	9,13
	17	13,14	28,30	-	X,X	12
	19,23	-	-	-	6,9.3	8
	16,18	-	-	-	-	
8NBVAN	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
8NXXL8	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	No Results			No Results	
8PHRJE	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	NA
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	NA	NA	27.2,27.2	6,9.3	8,8
	16,18	NR	NA	NA	NA	
8WMQTX	Identifiler®					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
8WPFXU	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

8XYPLL	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
93NERG	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results			No Results	
96P7G3	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
9AM49K	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18	No results				
9APUDH	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results				
9B296X	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
9JQK27	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

9K8B7P	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18	NR	NR	NR		
9VM862	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
9VNN4E	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	N/A
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	N/A	N/A	27.2,27.2	6,9.3	8,8
	16,18	No Results	N/A	N/A	N/A	
A27BDA	Investigator® 24plex (STRmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
A7KKLD	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18	No Results				
AEFD9L	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
AEXLXF	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results			No Results	

TABLE 1

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

## Item 1 - STR Results

AQPN4A	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
AQQZ6P	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
ARJL7	PowerPlex® F6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
ATDJ3G	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					
AY2NZ7	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
B7KMAW	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
BAX9F4	GlobalFiler™ (STRmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

BCL74E	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results			No Results	
BECRWK	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
BERBGH	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
BKKLYE	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					
BMLPNF	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
BVENXV	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
BX3ZUF	PowerPlex® 21					
	15,16.3	19,20		15,15	11,13	17,21.3
1	10,12	13,13		19,21	11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

C4MKF8	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
C4P8WK	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
C7W2RP	Investigator® 24plex GO					
	15,16.3	19,20	11,14	15,15	11,13	N/A
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	N/A	N/A	27.2,27.2	6,9.3	8,8
	16,18	N/A	N/A	N/A	N/A	
C86FHY	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18					
C9GEET	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
CF4MWJ	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
CGBJ7A	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					



TABLE 1

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

## Item 1 - STR Results

CKVJY	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
D2XB4K	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
D6DLVZ	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
D8F267	Investigator® 24plex QS					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
DACTHH	Identifiler® Direct					
	-	19,20	-	15	11,13	-
1	10,12	13	-	-	11,14	9,13
	17	13,14	28,30	-	X,X	12
	19,23	-	-	-	6,9.3	8
	16,18	-	-	-	-	
DG6RRX	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
DGBHYM	Investigator® 24plex GO!					
	15,16.3	19,20	11,24	15,15	11,13	N/A
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	N/A	N/A	27.2,27.2	6,9.3	8,8
	16,18	N/A	N/A	N/A	N/A	

TABLE 1

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

## Item 1 - STR Results

DLJ6WR	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
E4MFDN	PowerPlex® Fusion, PowerPlex® ESX17					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
E73UG4	Investigator® 24plex					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
EAKNKV	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18					
EFU8JN	Investigator® 24plex					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
EJEBRZ	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
ENK9WX	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

ENMWFX	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
EPGX	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
EQD3X9	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	-			-	
EQWNQY	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
ERM3YA	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18	No Results				
FBFUEV	PowerPlex® ESX17 Fast					
	15,16.3	19,20	11,14	15,15		
1		13,13	13,15	19,21		9,13
	17,17	13,14	28,30	15,16	XX	
	19,23			27.2,27.2	6,9.3	
	16,18					
FDGFZC	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

FDJ9WY	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
FMQKD3	Identifiler® Direct					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
FQW4KB	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
FR4G2D	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18	No results				
FU4BHN	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
G3H3HR	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
G72WJX	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

G74HEE	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Results	No Results	No Results		
GC2XLR	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
GDJHAG	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
GJ4LEY	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
GJ9XZA	PowerPlex® PPF6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Results	No Results	No Results		
GLXAXU	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	N.D.			N.D.	
GM3HLY	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	no results			no results	

TABLE 1

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

## Item 1 - STR Results

GMM2R7	Investigator® 24plex QS					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
GQ9H36	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
GYF2HU	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
GZCE6M	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
H24Z8C	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
H3GK28	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
HA8NPW	GlobalFiler™ (STRmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

HDDDQX	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
HEBKUB	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
HGUECR	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					
HHBRDN	PowerPlex® Fusion 6C (RMP by Familias3)					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
HLNBYW	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
HNGMWN	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
HY9TR2	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

HZCR8A	PowerPlex® Fusion 5C						
		15,16.3	19,20	11,14	15,15	11,13	
	1	10,12	13,13	13,15	19,21	11,14	9,13
		17,17	13,14	28,30	15,16	X,X	12,12
		19,23	9,12	5,12		6,9.3	8,8
	16,18						
J2X6ZB	PowerPlex® Fusion 5C						
		15,16.3	19,20	11,14	15,15	11,13	
	1	10,12	13,13	13,15	19,21	11,14	9,13
		17,17	13,14	28,30	15,16	X,X	12,12
		19,23	9,12	5,12		6,9.3	8,8
	16,18						
J4ZKEN	PowerPlex® Fusion 6C						
		15,16.3	19,20	11,14	15	11,13	
	1	10,12	13	13,15	19,21	11,14	9,13
		17	13,14	28,30	15,16	X	12
		19,23	9,12	5,12	27.2	6,9.3	8
	16,18						
JCWECL	Investigator® 24plex GO!						
		15,16.3	19,20	11,14	15	11,13	
	1	10,12	13	13,15	19,21	11,14	9,13
		17	13,14	28,30	15,16	X	12
		19,23			27.2	6,9.3	8
	16,18						
JE6TFZ	PowerPlex® Fusion 6C						
		15,16.3	19,20	11,14	15	11,13	
	1	10,12	13	13,15	19,21	11,14	9,13
		17	13,14	28,30	15,16	X	12
		19,23	9,12	5,12	27.2	6,9.3	8
	16,18						
JEKQA7	GlobalFiler™						
		15,16.3	19,20	11,14	15,15	11,13	
	1	10,12	13,13	13,15	19,21	11,14	9,13
		17,17	13,14	28,30	15,16	X,X	12,12
		19,23			27.2,27.2	6,9.3	8,8
	16,18						
JFG8NP	PowerPlex® Fusion 6C						
		15,16.3	19,20	11,14	15	11,13	
	1	10,12	13	13,15	19,21	11,14	9,13
		17	13,14	28,30	15,16	X	12
		19,23	9,12	5,12	27.2	6,9.3	8
	16,18						



TABLE 1

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

## Item 1 - STR Results

JW7TAL	Identifiler® DIRECT					
		19,20		15	11,13	
1	10,12	13			11,14	9,13
	17	13,14	28,30		X,X	12
	19,23				6,9.3	8
	16,18					
JYBGPB	Identifiler® Direct					
	-	19,20	-	15	11,13	-
1	10,12	13	-	-	11,14	9,13
	17	13,14	28,30	-	X,X	12
	19,23	-	-	-	6,9.3	8
	16,18	-	-	-	-	-
JZX34	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
K3MQ9T	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
K3R7NE	PowerPlex® Fusion 5C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
K4K26V	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
KDPQ77	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

KF8RRZ	Investigator® 24plex (STRMIX)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
KG7DHQ	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
KKQMVR	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
KMRPH9	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
KQYGVZ	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
KWH92M	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
KZFR3L	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

L3389R	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
L7LGY6	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Results	No Results	No Results		
L7YFBW	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
LC3GBQ	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
LLEY7N	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
LPB2W4	Identifiler® Plus (STRmix)					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		XX	12,12
	19,23				6,9.3	8,8
	16,18					
LRHJVZ	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

LWZZMX	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
M6ZR8Q	GlobalFiler™ (STRmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
M73XPR	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
M7Y9PZ	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18	No Results				
M7YBCJ	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
M8VTCZ	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
M8WL9M	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	Not detected			Not detected	

TABLE 1

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

## Item 1 - STR Results

M9M7XL	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
MECNEJ	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
MH9CVQ	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
MNGZ77	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
MWWT2G	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
MYEAUL	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	N.D.			N.D.	
N7TF7J	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

N7W3JQ	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
N8QQ3L	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	Not detected			Not detected	
NB7MQQ	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
NH764H	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
NL6YYJ	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
NPNTYQ	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
NPREV7	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results			No Results	

TABLE 1

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

## Item 1 - STR Results

NTPYEW	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Reaction	No Reaction	No Reaction		
NYRQN9	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
P22DYD	Identifiler® Plus (WE ARE USUALLY USING NDB SOFTWARE (NATIONAL DATABASE))					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
P469HF	Identifiler®					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
P6XFJ	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
P6YRNN	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
P7ECA7	Identifiler® Direct					
	-	19,20	-	15	11,13	-
1	10,12	13	-	-	11,14	9,13
	17	13,14	28,30	-	X,X	12
	19,23	-	-	-	6,9.3	8
	16,18	-	-	-	-	

TABLE 1

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

## Item 1 - STR Results

PGCCMB	PowerPlex® Fusion					
1	15,16.3	19,20	11,14	15	11,13	
	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
PGRXFF	Investigator® 24plex GO!					
1	15,16.3	19,20	11,14	15	11,13	
	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
PHKVP8	GlobalFiler™					
1	15,16.3	19,20	11,14	15,15	11,13	
	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
PL3AVT	Investigator® 24plex					
1	15,16.3	19,20	11,14	15,15	11,13	
	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
PRR4D6	PowerPlex® Fusion 6C					
1	15,16.3	19,20	11,14	15,15	11,13	
	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
PWNTUC	Identifiler®, Investigator® 24plex GO!					
1	15,16.3	19,20	11,14	15,15	11,13	N/A
	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	N/A	N/A	27.2,27.2	6,9.3	8,8
	16,18	N/A	N/A	N/A	N/A	
Q76HNW	PowerPlex® Fusion 6C					
1	15,16.3	19,20	11,14	15	11,13	
	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					



TABLE 1

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

## Item 1 - STR Results

QDN38H	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
QG9FW7	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
QPHEM2	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Results	No Results	No Results		
R2TBYH	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		XX	12,12
	19,23				6,9.3	8,8
	16,18					
R4D39Z	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
R4TNH2	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
RDNJND	Identifiler® Direct					
		19,20		15	11,13	
1	10,12	13			11,14	9,13
	17	13,14	28,30		XX	12
	19,23				6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

RHGJZM	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
RU8F3K	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
RUNVEW	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
RV6QXN	GlobalFiler™ Express					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18	NR			NR	
RW24KG	GlobalFiler™ Express (strmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
RXN7AW	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
TGBFKW	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

TXMQDP	Investigator® 24plex					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
U646RK	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
U84DWW	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results			No Results	
UB7TA8	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
UC3M9H	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
UDWBRD	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	XX	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
UKXPBU	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

ULMFJ9	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
URE9N2	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
UUGM3E	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
UX4LWG	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12		6,9.3	8
	16,18	NR				
UYCGXU	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
UYEH48	Investigator® 24plex GO					
	15,16.3	19,20	11,14	15,15	11,13	n/a
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	n/a	n/a	27.2,27.2	6,9.3	8,8
	16,18	N/A	n/a	n/a	n/a	
UYWGCX	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

VEL7LZ	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
VHJ4YT	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	NT
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	ND	ND	ND	NT	
VMBBJM	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
VMEGWV	PowerPlex® Fusion6C					
	15,16.3	19,20	11,14	15,15	11,13	N/A
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	N/A	N/A	N/A	N/A	
VP7DKP	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No reaction	No reaction	No reaction		
VQWVQC	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
VRX8P7	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15,15	11,13	N/A
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	N/A	N/A	27.2,27.2	6,9.3	8,8
	16,18	N/A	N/A	N/A	N/A	

TABLE 1

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

## Item 1 - STR Results

VT2LTK	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
WA4M4X	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	not tested
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR	not tested	
WALAJC	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	Not detected			Not detected	
WEWMKE	GlobalFiler™					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
WN4LUF	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
WYKRZW	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
X4EPTF	Investigator® 24plex QS					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					

TABLE 1

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

## Item 1 - STR Results

X6QM JW	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	NR	NR	NR		
X724JB	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
XBY4V7	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
XHFMDK	Identifiler® Plus					
		19,20		15,15	11,13	
1	10,12	13,13			11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23				6,9.3	8,8
	16,18					
XK3E9M	PowerPlex® 5C, Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
XKKQQM	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
XRW6B4	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

XYZRLT	PowerPlex® 21					
	15,16.3	19,20		15,15	11,13	17,21.3
1	10,12	13,13		19,21	11,14	9,13
	17,17	13,14	28,30		X,X	12,12
	19,23	9,12	5,12		6,9.3	8,8
	16,18					
YHDA84	Identifiler® Direct, GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
YK4FPE	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
YLAK2W	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
YYB9XW	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
Z2GXXK	Investigator® 24plex (STRmix)					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
Z3BLEV	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					



TABLE 1

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

## Item 1 - STR Results

Z7UAVR	PowerPlex® Fusion					
	15,16.3	19,20	11,14	15,15	11,13	Not Tested
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	Not Tested	6,9.3	8,8
	16,18	No Results	Not Tested	Not Tested	Not Tested	
Z8LUGK	Investigator® 24plex (STRmix)					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
Z93A9L	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18	No Reaction	No Reaction	No Reaction		
Z9GHXV	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
ZDE9NL	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18	No Results			No Results	
ZEM968	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23	9,12	5,12	27.2	6,9.3	8
	16,18					
ZUK4ZM	Investigator® 24plex					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 1 - STR Results

ZVCFWR	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
ZVE8TE	PowerPlex® Fusion 6C					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23	9,12	5,12	27.2,27.2	6,9.3	8,8
	16,18					
ZVRDU6	Investigator® 24plex GO!					
	15,16.3	19,20	11,14	15	11,13	
1	10,12	13	13,15	19,21	11,14	9,13
	17	13,14	28,30	15,16	X	12
	19,23			27.2	6,9.3	8
	16,18					
ZXKC6W	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					
ZXKN8X	GlobalFiler™					
	15,16.3	19,20	11,14	15,15	11,13	
1	10,12	13,13	13,15	19,21	11,14	9,13
	17,17	13,14	28,30	15,16	X,X	12,12
	19,23			27.2,27.2	6,9.3	8,8
	16,18					

TABLE 1

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

## Item 2 - STR Results

2AA3MK	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
2AUPZ9	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11			2	
2B3X6M	PowerPlex®					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
2BK8XN	Investigator® 24plex GO					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
2HPL4Y	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
2HQFPQ	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11				
2KNKYJ	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

2LJ9FT	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
2RBUNL	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
2XGH49	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
2XQBFG	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
34YW3T	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
38H8G4	GlobalFiler™ Express					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
39UA2G	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

3EV3XC	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
3K6Y3M	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
3UVZJ3	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
4BVB67	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
4BVM7L	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
4HGLWU	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
4Q7U2C	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 2 - STR Results

4V3XAP	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
4WVVEP	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
6ADLGJ	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
6BB7QJ	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
6BUYHG	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
6DDTXB	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
6K4JMX	Identifiler®, MiniFiler					
		19		16,17	12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					

TABLE 1

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

## Item 2 - STR Results

6KXQQ6	PowerPlex® Fusion					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17		6,7
		17,19	11			8,12
6UMZCX	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24		13,17	6,7	8,12
		17,19	11		2	
6XLGKL	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24		13,17	6,7	8,12
		17,19	11		2	
786NM3	PowerPlex® Fusion					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	8,12
7DTBFM	PowerPlex® Fusion 6C					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	8,12
7GYDLW	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24		13,17	6,7	8,12
		17,19	11		2	
7JGFKP	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24		13,17	6,7	8,12
		17,19	11		2	

TABLE 1

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

## Item 2 - STR Results

7JWF87	Investigator® 24plex QS (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
7NV9LG	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	Not Tested
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	Not Tested	
7PQT9F	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
7QFJEA	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
7W6X4F	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
7XHAY6	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
8CHCVJ	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				



TABLE 1

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

## Item 2 - STR Results

8H8KNP	Identifiler® Direct					
		-	19	-	16,17	12
2		10,12	10,16	-	-	12,13
		15,17	12,13	29,31.2	-	X,Y
		23,24	-	-	-	6,7
		17,19	-	-	-	-
8NBVAN	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
8NXXL8	GlobalFiler™ Express					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
8PHRJE	Investigator® 24plex					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	NA	NA	13,17	6,7
		17,19	11	NA	NA	NA
8WMQTX	Identifiler®					
			19,19		16,17	12,12
2		10,12	10,16			12,13
		15,17	12,13	29,31.2		X,Y
		23,24				6,7
		17,19				8,12
8WPFXU	Identifiler® Plus					
			19,19		16,17	12,12
2		10,12	10,16			12,13
		15,17	12,13	29,31.2		X,Y
		23,24				6,7
		17,19				8,12
8XYPLL	PowerPlex® Fusion 6C					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	8,12

TABLE 1

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

## Item 2 - STR Results

93NERG	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
96P7G3	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
9AM49K	PowerPlex® Fusion 5C					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17		6,7
		17,19	11			
9APUDH	Investigator® 24plex					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			
9B296X	GlobalFiler™ Express					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
9JQK27	GlobalFiler™					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
9K8B7P	PowerPlex® Fusion 6C					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	

TABLE 1

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

## Item 2 - STR Results

9VM862	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
9VNN4E	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
A27BDA	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
A7KKLD	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
AEFD9L	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
AEXLXF	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
AQPN4A	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

AQQZ6P	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
ARJVL7	PowerPlex® F6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ATDJ3G	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
AY2NZ7	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
B7KMAW	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BAX9F4	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BCL74E	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 2 - STR Results

BECRWK	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BERBGH	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
BKKLYE	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
BMLPNF	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
BVENXV	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
BX3ZUF	PowerPlex® 21					
	12,13	19,19		16,17	12,12	11,13
2	10,12	10,16		18.3,20	12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19					
C4MKF8	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

C4P8WK	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
C7W2RP	Investigator® 24plex GO					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
C86FHY	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
C9GEET	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
CF4MWJ	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
CGBJ7A	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
CKWJY	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					

TABLE 1

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

## Item 2 - STR Results

D2XB4K	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
D6DLVZ	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
D8F267	Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
DACTHH	Identifiler® Direct					
	-	19	-	16,17	12	-
2	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	
DG6RRX	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
DGBHYM	Investigator® 24plex GO!					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
DLJ6WR	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

E4MFDN	PowerPlex® Fusion, PowerPlex® ESX17					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11				
E73UG4	Investigator® 24plex					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11				
EAKNKV	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
EFU8JN	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11				
EJEBRZ	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11			2	
ENK9WX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ENMWFX	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				



TABLE 1

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

## Item 2 - STR Results

EPGKXT	PowerPlex® Fusion 6C (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
EQD3X9	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
EQWNQY	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ERM3YA	PowerPlex® Fusion					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
FBFUEV	PowerPlex® ESX17 Fast					
	12,13	19,19	11,14	16,17		
2		10,16	15,16	18.3,20		11,13
	15,17	12,13	29,31.2	11,16	X,Y	
	23,24			13,17	6,7	
	17,19					
FDGFZC	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
FDJ9WY	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

FMQKD3	Identifiler® Direct					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
FQW4KB	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
FR4G2D	PowerPlex® Fusion					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
FU4BHN	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
G3H3HR	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
G72WJX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
G74HEE	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

GC2XLR	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
GDJHAG	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
GJ4LEY	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
GJ9XZA	PowerPlex® PPF6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
GLXAXU	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
GM3HLY	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
GMM2R7	Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

GQ9H36	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
GYF2HU	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
GZCE6M	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
H24Z8C	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
H3GK28	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HA8NPW	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HDDDQX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

HEBKUB	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
HGUECR	PowerPlex® Fusion					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
HHBRDN	PowerPlex® Fusion 6C (RMP by Familias3)					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
HLNBYW	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HNGMWN	GlobalFiler™ Express					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HY9TR2	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
HZCR8A	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

J2X6ZB	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
J4ZKEN	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
JCWECL	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
JE6TFZ	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
JEKQA7	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
JFG8NP	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
JW7TAL	Identifiler® DIRECT					
		19		16,17	12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					

TABLE 1

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

## Item 2 - STR Results

JYBGPB	Identifiler® Direct					
	-	19	-	16,17	12	-
2	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	-
JZX34	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
K3MQ9T	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
K3R7NE	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
K4K26V	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
KDPQ77	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
KF8RRZ	Investigator® 24plex (STRMIX)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

KG7DHQ	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
KKQMVR	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
KMRPH9	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
KQYGVZ	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
KWH92M	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
KZFR3L	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
L3389R	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	



TABLE 1

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

## Item 2 - STR Results

L7LGY6	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
L7YFBW	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
LC3GBQ	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
LLEY7N	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
LPB2W4	Identifiler® Plus (STRmix)					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
LRHJVZ	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
LWZZMX	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

M6ZR8Q	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M73XPR	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M7Y9PZ	PowerPlex® Fusion					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
M7YBCJ	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
M8VTCZ	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M8WL9M	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M9M7XL	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

MECNEJ	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
MH9CVQ	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
MNGZ77	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
MWWT2G	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
MYEAUL	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
N7TF7J	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
N7W3JQ	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 2 - STR Results

N8QQ3L	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
NB7MQQ	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
NH764H	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
NL6YYJ	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
NPNTYQ	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
NPREV7	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
NTPYEW	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

NYRQN9	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
P22DYD	Identifiler® Plus (WE ARE USUALLY USING NDB SOFTWARE (NATIONAL DATABASE))					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
P469HF	Identifiler®					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
P6XJFJ	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
P6YRNN	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
P7ECA7	Identifiler® Direct					
	-	19	-	16,17	12	-
2	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	
PGCCMB	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

PGRXFF	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
PHKVP8	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
PL3AVT	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
PRR4D6	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
PWNTUC	Investigator® 24plex GO!					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
Q76HNV	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
QDN38H	GlobalFiler™ Express					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 2 - STR Results

QG9FW7	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2
QPHEM2	PowerPlex® Fusion 6C					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	
R2TBYH	Identifiler® Plus					
			19,19		16,17	12,12
2		10,12	10,16			12,13
		15,17	12,13	29,31.2		X,Y
		23,24				6,7
		17,19				8,12
R4D39Z	PowerPlex® Fusion 6C					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	
R4TNH2	PowerPlex® Fusion 6C					
		12,13	19,19	11,14	16,17	12,12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
		17,19	11	21	16	
RDNJND	Identifiler® Direct					
			19		16,17	12
2		10,12	10,16			12,13
		15,17	12,13	29,31.2		X,Y
		23,24				6,7
		17,19				8,12
RHGJZM	GlobalFiler™ Express					
		12,13	19	11,14	16,17	12
2		10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
		17,19	11			2

TABLE 1

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

## Item 2 - STR Results

RU8F3K	GlobalFiler™ Express						
		12,13	19	11,14	16,17	12	
	2	10,12	10,16	15,16	18.3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11			2	
RUNVEW	PowerPlex® Fusion 6C (STRmix)						
		12,13	19	11,14	16,17	12	
	2	10,12	10,16	15,16	18.3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24	9,10	13,17	13,17	6,7	8,12
		17,19	11	21	16		
RV6QXN	GlobalFiler™ Express						
		12,13	19	11,14	16,17	12	
	2	10,12	10,16	15,16	18.3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11			2	
RW24KG	GlobalFiler™ Express (strmix)						
		12,13	19	11,14	16,17	12	
	2	10,12	10,16	15,16	18.3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11			2	
RXN7AW	PowerPlex® Fusion 6C						
		12,13	19	11,14	16,17	12	
	2	10,12	10,16	15,16	18.3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24	9,10	13,17	13,17	6,7	8,12
		17,19	11	21	16		
TGBFKW	Identifiler® Plus (STRmix)						
			19,19		16,17	12,12	
	2	10,12	10,16			12,13	11,13
		15,17	12,13	29,31.2		X,Y	9,11
		23,24				6,7	8,12
		17,19					
TXMQDP	Investigator® 24plex						
		12,13	19	11,14	16,17	12	
	2	10,12	10,16	15,16	18.3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11				



TABLE 1

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

## Item 2 - STR Results

U646RK	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
U84DWW	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
UB7TA8	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
UC3M9H	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
UDWBRD	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
UKXPBU	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ULMFJ9	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 2 - STR Results

URE9N2	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
UUGM3E	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
UX4LWG	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
UYCGXU	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
UYEH48	Investigator® 24plex GO					
	12,13	19,19	11,14	16,17	12,12	n/a
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	n/a	n/a	13,17	6,7	8,12
	17,19	11	n/a	n/a	n/a	
UYWG CX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
VEL7LZ	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 2 - STR Results

VHJ4YT	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	NT
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	NT	
VMBBJM	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
VMEGW	PowerPlex® Fusion6C					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	N/A	
VP7DKP	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
VQWVQC	Investigator® 24plex (STRMIX)					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11				
VRX8P7	Investigator® 24plex GO!					
	12,13	19,19	11,14	16,17	12,12	N/A
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
VT2LTK	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17	13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 2 - STR Results

WA4M4X	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	not tested
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	not tested	
WALAJC	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
WEWMKE	GlobalFiler™					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
WN4LUF	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
WYKRZW	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
X4EPTF	Investigator® 24plex QS					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
X6QMJW	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

X724JB	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
XBY4V7	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
XHFMDK	Identifiler® Plus					
		19,19		16,17	12,12	
2	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
XK3E9M	PowerPlex® 5C, Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11				
XKKQQM	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
XRW6B4	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
XYZRLT	PowerPlex® 21					
	12,13	19,19		16,17	12,12	11,13
2	10,12	10,16		18,3,20	12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19					

TABLE 1

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

## Item 2 - STR Results

YHDA84	Identifiler® Direct, GlobalFiler™, Identifiler Plus					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
YK4FPE	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
YLAK2W	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
YYB9XW	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
Z2GXXK	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
Z3BLEV	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
Z7UAVR	PowerPlex® Fusion					
	12,13	19,19	11,14	16,17	12,12	Not Tested
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	Not Tested	6,7	8,12
	17,19	11	Not Tested	Not Tested	Not Tested	

TABLE 1

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

## Item 2 - STR Results

Z8LUGK	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
Z93A9L	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
Z9GHXV	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
ZDE9NL	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
ZEM968	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ZUK4ZM	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
ZVCFWR	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 2 - STR Results

ZVE8TE	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ZVRDU6	Investigator® 24plex GO!					
	12,13	19	11,14	16,17	12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
ZXKC6W	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
ZXKN8X	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
2	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	



TABLE 1

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

## Item 3 - STR Results

2AA3MK	PowerPlex® Fusion 5					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
2B3X6M	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
2BK8XN	Identifiler®, Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	N/A
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
2HPL4Y	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
2HQFPQ	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
2KNKYJ	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
2LJ9FT	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

2RBUNL	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
2XGH49	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
2XQBFG	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
34YW3T	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
38H8G4	GlobalFiler™ Express					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
39UA2G	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
3EV3XC	Investigator® 24plex QS					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				

TABLE 1

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

## Item 3 - STR Results

3K6Y3M	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
3UVZJ3	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
4BVB67	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
4BVM7L	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
4HGLWU	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
4Q7U2C	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
4V3XAP	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

4WVVEP	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
6ADLGJ	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
6BB7QJ	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
6DDTXB	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
6K4JMX	Identifiler®, MiniFiler					
		19		16,17	12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
6UMZCX	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
6XLGKL	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

786NM3	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
7DTBFM	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
7GYDLW	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
7JWF87	Investigator® 24plex QS (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
7NV9LG	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	Not Tested
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	Not Tested	Not Tested	13,17	6,7	8,12
	17,19	11	Not Tested	Not Tested	Not Tested	
7PQT9F	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
7QFJEA	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

7W6X4F	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
7XHAY6	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
8CHCVJ	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
8H8KNP	Identifiler® Plus					
	-	19	-	16,17	12	-
3	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	
8NXXL8	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
8PHRJE	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	NA
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	NA	NA	13,17	6,7	8,12
	17,19	11	NA	NA	NA	
8WMQTX	Identifiler®					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					

TABLE 1

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

## Item 3 - STR Results

8WPF XU	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
8XY PLL	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
93NERG	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
96P7G3	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
9AM49K	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
9APUDH	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
9B296X	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

9JQK27	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
9VNN4E	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	N/A
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
A27BDA	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
A7KKLD	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
AEFD9L	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
AEXLXF	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
AQPN4A	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				



TABLE 1

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

## Item 3 - STR Results

AQQZ6P	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
ARJVL7	PowerPlex® F6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ATDJ3G	Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
AY2NZ7	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
B7KMAW	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BAX9F4	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BCL74E	PowerPlex® 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

BECRWK	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BERBGH	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
BKKLYE	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
BMLPNF	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
BX3ZUF	PowerPlex® 21					
	12,13	19,19		16,17	12,12	11,13
3	10,12	10,16		18,3,20	12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19					
C4MKF8	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
C4P8WK	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

C86FHY	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
CGBJ7A	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11				
CKVJY	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
D2XB4K	PowerPlex® Fusion 6C (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
D6DLVZ	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
D8F267	Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11				
DACTHH	Identifiler® Plus					
	-	19	-	16,17	12	-
3	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	

TABLE 1

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

## Item 3 - STR Results

DG6RRX	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
DGBHYM	Identifiler®, Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	N/A
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
E4MFDN	PowerPlex® Fusion, PowerPlex® ESX17					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11				
E73UG4	Investigator® 24plex					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
EFU8JN	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
EJEBRZ	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
ENK9WX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

ENMWFY	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
EPGXK	PowerPlex® Fusion 6C (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
EQD3X9	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11			2	
EQWNQY	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ERM3YA	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11			2	
FBFUEV	PowerPlex® ESX17 Fast					
	12,13	19,19	11,14	16,17		
3		10,16	15,16	18,3,20		11,13
	15,17	12,13	29,31.2	11,16	X,Y	
	23,24		13,17		6,7	
	17,19					
FDGFZC	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

FDJ9WY	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
FMQKD3	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
FQW4KB	PowerPlex® Fusion 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
FR4G2D	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
G72WJX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
G74HEE	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
GC2XLR	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

GDJHAG	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
GJ4LEY	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11			2	
GJ9XZA	PowerPlex® PPF6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
GLXAXU	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11			2	
GM3HLY	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11			2	
GMM2R7	Investigator® 24plex QS (STRMix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24		13,17		6,7	8,12
	17,19	11				
GQ9H36	PowerPlex® 5C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				

TABLE 1

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

## Item 3 - STR Results

GYF2HU	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
GZCE6M	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
H24Z8C	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
H3GK28	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HA8NPW	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HDDDQX	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
HEBKUB	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		



TABLE 1

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

## Item 3 - STR Results

HHBRDN	PowerPlex® Fusion 6C (RMP by Familias)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
HLNBYW	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HNGMWN	GlobalFiler™ Express					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
HY9TR2	Investigator® 24plex (STRMix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
HZCR8A	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
J4ZKEN	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
JE6TFZ	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

JEKQA7	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
JFG8NP	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
JW7TAL	Identifiler® Plus					
		19		16,17	12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
JYBGPB	Identifiler® Plus					
	-	19	-	16,17	12	-
3	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	
JZX34	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
K3MQ9T	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
K3R7NE	PowerPlex® Fusion 5C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				

TABLE 1

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

## Item 3 - STR Results

K4K26V	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
KDPQ77	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
KF8RRZ	Investigator® 24plex (STRMIX)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
KG7DHQ	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
KKQMVR	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
KMRPH9	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
KQYGVZ	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

KWH92M	Investigator® 24plex (STRmix)						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
	17,19	11					
L3389R	GlobalFiler™						
		12,13	19	11,14	16,17	12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
	17,19	11			2		
L7LGY6	GlobalFiler™						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
	17,19	11			2		
L7YFBW	PowerPlex® Fusion 6C						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16			
LC3GBQ	GlobalFiler™						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
	17,19	11			2		
LPB2W4	Identifiler® Plus (STRmix)						
			19,19		16,17	12,12	
	3	10,12	10,16			12,13	11,13
		15,17	12,13	29,31.2		X,Y	9,11
		23,24				6,7	8,12
	17,19						
LRHJVZ	Investigator® 24plex (STRMix)						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
	17,19	11					

TABLE 1

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

## Item 3 - STR Results

LWZZMX	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
M6ZR8Q	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M73XPR	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M7Y9PZ	PowerPlex® Fusion					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
M7YBCJ	PowerPlex® Fusion 6C (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
M8VTCZ	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
M8WL9M	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

M9M7XL	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
MH9CVQ	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
MNGZ77	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
MWWT2G	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
MYEAUL	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
N7TF7J	PowerPlex® Fusion 6C (STRMix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
N7W3JQ	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

N8QQ3L	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
NB7MQQ	GlobalFiler™ (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
NPNTYQ	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
NPREV7	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
NYRQN9	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
P22DYD	Identifiler® Plus (WE ARE USUALLY USING NDB SOFTWARE (NATIONAL DATABASE))					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
P469HF	Identifiler®					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					

TABLE 1

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

## Item 3 - STR Results

P6XJFJ	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
P6YRNN	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
P7ECA7	Identifiler® Plus					
	-	19	-	16,17	12	-
3	10,12	10,16	-	-	12,13	11,13
	15,17	12,13	29,31.2	-	X,Y	9,11
	23,24	-	-	-	6,7	8,12
	17,19	-	-	-	-	
PGCCMB	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
PHKVP8	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
PL3AVT	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
PRR4D6	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	



TABLE 1

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

## Item 3 - STR Results

PWNTUC	Identifiler®, Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	N/A
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
Q76HNV	PowerPlex® Fusion 6C (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
QG9FW7	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
QPHEM2	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
R2TBYH	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
R4D39Z	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
R4TNH2	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

RDNJND	Identifiler® Plus					
		19		16,17	12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
RHGJZM	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
RU8F3K	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
RUNVEW	PowerPlex® Fusion 6C (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
RV6QXN	GlobalFiler™					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
RW24KG	GlobalFiler™ (strmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
RXN7AW	PowerPlex® Fusion 6C (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

TGBFKW	Identifiler® Plus (STRmix)					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
TXMQDP	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
U646RK	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
U84DWW	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
UB7TA8	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
UC3M9H	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
UDWBRD	PowerPlex® Fusion 6C (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

UKXPBU	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ULMFJ9	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
UUGM3E	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
UX4LWG	PowerPlex® Fusion					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17		6,7	8,12
	17,19	11				
UYCGXU	Identifiler® Plus					
		19,19		16,17	12,12	
3	10,12	10,16			12,13	11,13
	15,17	12,13	29,31.2		X,Y	9,11
	23,24				6,7	8,12
	17,19					
UYEH48	Identifiler®, Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	n/a
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	n/a	n/a	13,17	6,7	8,12
	17,19	11	n/a	n/a	n/a	
UYWGXC	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

VHJ4YT	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	NT
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	NT	
VMBBJM	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
VMEGW	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	N/A
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	2	
VQWVQC	Investigator® 24plex (STRMIX)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
VRX8P7	Identifiler®, Investigator® 24plex QS					
	12,13	19,19	11,14	16,17	12,12	N/A
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	N/A	N/A	13,17	6,7	8,12
	17,19	11	N/A	N/A	N/A	
VT2LTK	Investigator® 24plex QS					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
WA4M4X	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	not tested
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16	not tested	

TABLE 1

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

## Item 3 - STR Results

WALAJC	GlobalFiler™						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11			2	
WEWMKE	GlobalFiler™						
		12,13	19	11,14	16,17	12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11			2	
WN4LUF	GlobalFiler™						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11			2	
WYKRZW	PowerPlex® Fusion 6C						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24	9,10	13,17	13,17	6,7	8,12
		17,19	11	21	16		
X4EPTF	Investigator® 24plex QS (STRMix)						
		12,13	19	11,14	16,17	12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24			13,17	6,7	8,12
		17,19	11				
X6QMJW	PowerPlex® Fusion 6C						
		12,13	19,19	11,14	16,17	12,12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24	9,10	13,17	13,17	6,7	8,12
		17,19	11	21	16		
X724JB	PowerPlex® Fusion 6C						
		12,13	19	11,14	16,17	12	
	3	10,12	10,16	15,16	18,3,20	12,13	11,13
		15,17	12,13	29,31.2	11,16	X,Y	9,11
		23,24	9,10	13,17	13,17	6,7	8,12
		17,19	11	21	16		

TABLE 1

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

## Item 3 - STR Results

XBY4V7	Identifiler® Plus					
		19,19		16,17	12,12	
	3	10,12	10,16		12,13	11,13
		15,17	12,13	29,31.2	X,Y	9,11
		23,24			6,7	8,12
	17,19					
XHFMDK	Identifiler® Plus					
		19,19		16,17	12,12	
	3	10,12	10,16		12,13	11,13
		15,17	12,13	29,31.2	X,Y	9,11
		23,24			6,7	8,12
	17,19					
XK3E9M	PowerPlex® 5C, Investigator® 24plex					
		12,13	19,19	11,14	16,17	12,12
	3	10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24	9,10	13,17	13,17	6,7
	17,19	11				
XKKQQM	Investigator® 24plex (STRmix)					
		12,13	19,19	11,14	16,17	12,12
	3	10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
	17,19	11				
XRW6B4	GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
	3	10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
	17,19	11			2	
XYZRLT	PowerPlex® 21					
		12,13	19,19		16,17	12,12
	3	10,12	10,16		18.3,20	12,13
		15,17	12,13	29,31.2		X,Y
		23,24	9,10	13,17		6,7
	17,19					
YHDA84	Identifiler® Plus, GlobalFiler™					
		12,13	19,19	11,14	16,17	12,12
	3	10,12	10,16	15,16	18.3,20	12,13
		15,17	12,13	29,31.2	11,16	X,Y
		23,24			13,17	6,7
	17,19	11			2	

TABLE 1

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

## Item 3 - STR Results

YK4FPE	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
YLAK2W	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
YYB9XW	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
Z2GXXK	Investigator® 24plex (STRmix)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
Z3BLEV	PowerPlex® Fusion 6C (Lab Retriever)					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
Z7UAVR	Investigator® 24plex					
	12,13	19,19	11,14	16,17	12,12	Not Tested
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	Not Tested	Not Tested	13,17	6,7	8,12
	17,19	11	Not Tested	Not Tested	Not Tested	
Z8LUGK	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18.3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				



TABLE 1

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

## Item 3 - STR Results

Z9GHXV	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
ZDE9NL	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	
ZEM968	PowerPlex® Fusion 6C					
	12,13	19	11,14	16,17	12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,34	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ZUK4ZM	Investigator® 24plex (STRmix)					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11				
ZVCFWR	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ZVE8TE	PowerPlex® Fusion 6C					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24	9,10	13,17	13,17	6,7	8,12
	17,19	11	21	16		
ZXKC6W	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

Item 3 - STR Results

ZXKN8X	GlobalFiler™					
	12,13	19,19	11,14	16,17	12,12	
3	10,12	10,16	15,16	18,3,20	12,13	11,13
	15,17	12,13	29,31.2	11,16	X,Y	9,11
	23,24			13,17	6,7	8,12
	17,19	11			2	

TABLE 1

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

## Item 4 - STR Results

2AA3MK	PowerPlex® Fusion 5					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
2B3X6M	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
2BK8XN	Identifiler®, Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	N/A
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	N/A	N/A	12,18	7,9.3	8,8
	17,17	11	N/A	N/A	N/A	
2HPL4Y	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
2HQFPQ	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
2KNKYJ	Investigator® 24plex					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
2LJ9FT	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

2RBUNL	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
2XGH49	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
2XQBFG	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
34YW3T	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
38H8G4	GlobalFiler™ Express					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
39UA2G	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
3EV3XC	Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				

TABLE 1

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

## Item 4 - STR Results

3K6Y3M	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
3UVZJ3	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
4BVB67	PowerPlex® Fusion 5C					
	14,15	17,22	14,OL	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
4BVM7L	Investigator® 24plex					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
4HGLWU	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
4Q7U2C	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
4V3XAP	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

TABLE 1

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

## Item 4 - STR Results

4WVVEP	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
6ADLGJ	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
6BB7QJ	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
6DDTXB	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
6K4JMX	Identifiler®, MiniFiler					
		17,22		14,15	8,12	
4	12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8
	17					
6UMZCX	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
6XLGKL	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

TABLE 1

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

## Item 4 - STR Results

786NM3	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
7DTBFM	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
7GYDLW	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
7JWF87	Investigator® 24plex QS (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
7NV9LG	Investigator® 24plex					
	14,15	17,22	14,14.1	14,15	8,12	Not Tested
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	Not Tested	Not Tested	12,18	7,9.3	8,8
	17,17	11	Not Tested	Not Tested	Not Tested	
7PQT9F	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
7QFJEA	GlobalFiler™ (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	

TABLE 1

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

## Item 4 - STR Results

7W6X4F	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
7XHAY6	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
8CHCVJ	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
8H8KNP	Identifiler® Plus					
	-	17,22	-	14,15	8,12	-
4	12	13,15	-	-	11,14	8,10
	15,16	13,15	28,31.2	-	X,Y	7,11
	25,31.2	-	-	-	7,9.3	8
	17	-	-	-	-	
8NXXL8	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
8PHRJE	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	NA
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	NA	NA	12,18	7,9.3	8,8
	17,17	11	NA	NA	NA	
8WMQTX	Identifiler®					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					



TABLE 1

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

## Item 4 - STR Results

8WPF XU	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
8XY PLL	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
93N ERG	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
96P7G3	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
9AM49K	PowerPlex® Fusion 5C					
	14,15	17,22	14,OL 14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
9APUDH	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
9B296X	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	

TABLE 1

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

## Item 4 - STR Results

9JQK27	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
9VNN4E	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	N/A
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	N/A	N/A	12,18	7,9.3	8,8
	17,17	11	N/A	N/A	N/A	
A27BDA	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
A7KKLD	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
AEFD9L	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
AEXLXF	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
AQPN4A	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				

TABLE 1

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

## Item 4 - STR Results

AQQZ6P	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
ARJVL7	PowerPlex® F6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
ATDJ3G	Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
AY2NZ7	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
B7KMAW	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
BAX9F4	GlobalFiler™ (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
BCL74E	PowerPlex® 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

BECRWK	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
BERBGH	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
BKKLYE	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
BMLPNF	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
BX3ZUF	PowerPlex® 21					
	14,15	17,22		14,15	8,12	12,19
4	12,12	13,15		17,23	11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17					
C4MKF8	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
C4P8WK	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

C86FHY	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
CGBJ7A	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
CKVJY	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
D2XB4K	PowerPlex® Fusion 6C (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
D6DLVZ	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
D8F267	Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
DACTHH	Identifiler® Plus					
	-	17,22	-	14,15	8,12	-
4	12	13,15	-	-	11,14	8,10
	15,16	13,15	28,31.2	-	X,Y	7,11
	25,31.2	-	-	-	7,9.3	8
	17	-	-	-	-	

TABLE 1

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

## Item 4 - STR Results

DG6RRX	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
DGBHYM	Identifiler®, Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	N/A
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	N/A	N/A	12,18	7,9.3	8,8
	17,17	11	N/A	N/A	N/A	
E4MFDN	PowerPlex® Fusion, PowerPlex® ESX17					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11				
E73UG4	Investigator® 24plex					
	14,15	17,22	14	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
EFU8JN	Investigator® 24plex					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
EJEBRZ	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
ENK9WX	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

ENMWFY	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
EPGKXT	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
EQD3X9	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
EQWNQY	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
ERM3YA	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
FBFUEV	PowerPlex® ESX17 Fast					
	14,15	17,22	14,14.1	14,15		
4		13,15	13,15	17,23		8,10
	15,16	13,15	28,31.2	15,15	X,Y	
	25,31.2			12,18	7,9.3	
	17,17					
FDGFZC	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

FDJ9WY	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
FMQKD3	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
FQW4KB	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
FR4G2D	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
G72WJX	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
G74HEE	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
GC2XLR	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		



TABLE 1

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

## Item 4 - STR Results

GDJHAG	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
GJ4LEY	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
GJ9XZA	PowerPlex® PPF6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
GLXAXU	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
GM3HLY	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
GMM2R7	Investigator® 24plex QS (STRMix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
GQ9H36	PowerPlex® 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				

TABLE 1

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

## Item 4 - STR Results

GYF2HU	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
GZCE6M	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
H24Z8C	GlobalFiler™					
	14,15	17,22	14,R	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
H3GK28	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
HA8NPW	GlobalFiler™ (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
HDDDQX	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
HEBKUB	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

HHBRDN	PowerPlex® Fusion 6C (RMP by Familias3)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
HLNBYW	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
HNGMWN	GlobalFiler™ Express					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
HY9TR2	Investigator® 24plex (STRMix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
HZCR8A	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
J4ZKEN	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
JE6TFZ	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

JEKQA7	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
JFG8NP	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
JW7TAL	Identifiler® Plus					
		17,22		14,15	8,12	
4	12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8
	17					
JYBGPB	Identifiler® Plus					
	-	17,22	-	14,15	8,12	-
4	12	13,15	-	-	11,14	8,10
	15,16	13,15	28,31.2	-	X,Y	7,11
	25,31.2	-	-	-	7,9.3	8
	17	-	-	-	-	
JZJX34	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
K3MQ9T	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
K3R7NE	PowerPlex® Fusion 5C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				

TABLE 1

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

## Item 4 - STR Results

K4K26V	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
KDPQ77	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
KF8RRZ	Investigator® 24plex (STRMIX)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
KG7DHQ	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
KKQMVR	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
KMRPH9	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
KQYGVZ	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

TABLE 1

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

## Item 4 - STR Results

KWH92M	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
L3389R	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
L7LGY6	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
L7YFBW	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
LC3GBQ	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
LPB2W4	Identifiler® Plus (STRmix)					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
LRHJVZ	Investigator® 24plex (STRMix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				

TABLE 1

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

## Item 4 - STR Results

LWZZMX	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
M6ZR8Q	GlobalFiler™ (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
M73XPR	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
M7Y9PZ	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8,8
	17,17	11				
M7YBCJ	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
M8VTCZ	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
M8WL9M	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

TABLE 1

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

## Item 4 - STR Results

M9M7XL	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
MH9CVQ	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
MNGZ77	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
MWWT2G	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
MYEAUL	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
N7TF7J	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
N7W3JQ	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	



TABLE 1

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

## Item 4 - STR Results

N8QQ3L	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
NB7MQQ	GlobalFiler™ (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
NPNTYQ	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
NPREV7	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
NYRQN9	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
P22DYD	Identifiler® Plus (WE ARE USUALLY USING NDB SOFTWARE (NATIONAL DATABASE))					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
P469HF	Identifiler®					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					

TABLE 1

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

## Item 4 - STR Results

P6XJFJ	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
P6YRNN	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
P7ECA7	Identifiler® Plus					
	-	17,22	-	14,15	8,12	-
4	12	13,15	-	-	11,14	8,10
	15,16	13,15	28,31.2	-	X,Y	7,11
	25,31.2	-	-	-	7,9.3	8
	17	-	-	-	-	
PGCCMB	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
PHKVP8	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
PL3AVT	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
PRR4D6	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

TABLE 1

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

## Item 4 - STR Results

PWNTUC	Identifiler®, Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	N/A
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	N/A	N/A	12,18	7,9.3	8,8
	17,17	11	N/A	N/A	N/A	
Q76HNW	PowerPlex® Fusion 6C (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
QG9FW7	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
QPHEM2	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
R2TBYH	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
R4D39Z	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
R4TNH2	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

RDNJND	Identifiler® Plus					
		17,22		14,15	8,12	
4	12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8
	17					
RHGJZM	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
RU8F3K	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
RUNVEW	PowerPlex® Fusion 6C (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
RV6QXN	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11			2	
RW24KG	GlobalFiler™ (strmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
RXN7AW	PowerPlex® Fusion 6C (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

TGBFKW	Identifiler® Plus (STRmix)					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
TXMQDP	Investigator® 24plex					
	14,15	17,22	14	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
U646RK	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
U84DWW	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
UB7TA8	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
UC3M9H	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
UDWBRD	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

UKXPBU	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
ULMFJ9	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
UUGM3E	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
UX4LWG	PowerPlex® Fusion					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16		7,9.3	8
	17	11				
UYCGXU	Identifiler® Plus					
		17,22		14,15	8,12	
4	12,12	13,15			11,14	8,10
	15,16	13,15	28,31.2		X,Y	7,11
	25,31.2				7,9.3	8,8
	17,17					
UYEH48	Identifiler®, Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	n/a
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	n/a	n/a	12,18	7,9.3	8,8
	17,17	11	n/a	n/a	n/a	
UYWGCX	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		

TABLE 1

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

## Item 4 - STR Results

VHJ4YT	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	NT
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15	NT	
VMBBJM	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
VMEGW	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	N/A
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	N/A	N/A	12,18	7,9.3	8,8
	17,17	11	N/A	N/A	2	
VQWVQC	Investigator® 24plex (STRMIX)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
VRX8P7	Identifiler®, Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	N/A
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	N/A	N/A	12,18	7,9.3	8,8
	17,17	11	N/A	N/A	N/A	
VT2LTK	Investigator® 24plex QS					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
WA4M4X	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	not tested
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15	not tested	

TABLE 1

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

## Item 4 - STR Results

WALAJC	GlobalFiler™						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12,12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15,15	X,Y	7,11
		25,31.2			12,18	7,9.3	8,8
		17,17	11			2	
WEWMKE	GlobalFiler™						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15	X,Y	7,11
		25,31.2			12,18	7,9.3	8
		17	11			2	
WN4LUF	GlobalFiler™						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12,12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15,15	X,Y	7,11
		25,31.2			12,18	7,9.3	8,8
		17,17	11			2	
WYKRZW	PowerPlex® Fusion 6C						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12,12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15,15	X,Y	7,11
		25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
		17,17	11	19	15		
X4EPTF	Investigator® 24plex QS (STRMix)						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15	X,Y	7,11
		25,31.2			12,18	7,9.3	8
		17	11				
X6QMJW	PowerPlex® Fusion 6C						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12,12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15,15	X,Y	7,11
		25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
		17,17	11	19	15		
X724JB	PowerPlex® Fusion 6C						
		14,15	17,22	14,14.1	14,15	8,12	
	4	12	13,15	13,15	17,23	11,14	8,10
		15,16	13,15	28,31.2	15	X,Y	7,11
		25,31.2	2.2,10	8,16	12,18	7,9.3	8
		17	11	19	15		



TABLE 1

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

## Item 4 - STR Results

XBY4V7	Identifiler® Plus					
		17,22		14,15	8,12	
	4	12,12	13,15		11,14	8,10
		15,16	13,15	28,31.2	X,Y	7,11
		25,31.2			7,9.3	8,8
	17,17					
XHFMDK	Identifiler® Plus					
		17,22		14,15	8,12	
	4	12,12	13,15		11,14	8,10
		15,16	13,15	28,31.2	X,Y	7,11
		25,31.2			7,9.3	8,8
	17,17					
XK3E9M	PowerPlex® 5C, Investigator® 24plex					
		14,15	17,22	14,14.1	14,15	8,12
	4	12,12	13,15	13,15	17,23	11,14
		15,16	13,15	28,31.2	15,15	X,Y
		25,31.2	2.2,10	8,16	12,18	7,9.3
	17,17	11				
XKKQQM	Investigator® 24plex (STRmix)					
		14,15	17,22	14,14.1	14,15	8,12
	4	12,12	13,15	13,15	17,23	11,14
		15,16	13,15	28,31.2	15,15	X,Y
		25,31.2			12,18	7,9.3
	17,17	11				
XRW6B4	GlobalFiler™					
		14,15	17,22	14,14.1	14,15	8,12
	4	12,12	13,15	13,15	17,23	11,14
		15,16	13,15	28,31.2	15,15	X,Y
		25,31.2			12,18	7,9.3
	17,17	11		2		
XYZRLT	PowerPlex® 21					
		14,15	17,22		14,15	8,12
	4	12,12	13,15		17,23	11,14
		15,16	13,15	28,31.2		X,Y
		25,31.2	2.2,10	8,16		7,9.3
	17,17				8,8	
YHDA84	Identifiler® Plus, GlobalFiler™					
		14,15	17,22	14,14	14,15	8,12
	4	12,12	13,15	13,15	17,23	11,14
		15,16	13,15	28,31.2	15,15	X,Y
		25,31.2			12,18	7,9.3
	17,17	11		2		

TABLE 1

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

## Item 4 - STR Results

YK4FPE	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
YLAK2W	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
YYB9XW	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
Z2GXXK	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2			12,18	7,9.3	8
	17	11				
Z3BLEV	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
Z7UAVR	Investigator® 24plex					
	14,15	17,22	14,14.1	14,15	8,12	Not Tested
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	Not Tested	Not Tested	12,18	7,9.3	8,8
	17,17	11	Not Tested	Not Tested	Not Tested	
Z8LUGK	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				

TABLE 1

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

## Item 4 - STR Results

Z9GHXV	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
ZDE9NL	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	
ZEM968	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8
	17	11	19	15		
ZUK4ZM	Investigator® 24plex (STRmix)					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11				
ZVCFWR	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
ZVE8TE	PowerPlex® Fusion 6C					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2	2.2,10	8,16	12,18	7,9.3	8,8
	17,17	11	19	15		
ZXKC6W	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

TABLE 1

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

Item 4 - STR Results

ZXKN8X	GlobalFiler™					
	14,15	17,22	14,14.1	14,15	8,12	
4	12,12	13,15	13,15	17,23	11,14	8,10
	15,16	13,15	28,31.2	15,15	X,Y	7,11
	25,31.2			12,18	7,9.3	8,8
	17,17	11			2	

# YSTR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - YSTR Results

34YW3T	Yfiler™	[REDACTED]								
1		[REDACTED]								
7PQT9F	Yfiler™ Plus	NR	NR	NR	NR	NR	NR	NR	NR	NR
1		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR			NR
8WPF XU	PowerPlex® Y 23	-	-	-	-	-	-	-	-	-
1		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
BVENXV	Yfiler™	[REDACTED]								
1		[REDACTED]								
C9GEET	Yfiler™	[REDACTED]								
1		[REDACTED]								
E4MFDN	PowerPlex® Y 23	[REDACTED]								
1		[REDACTED]								
HDDDQX	Yfiler™	[REDACTED]								
1		[REDACTED]								
JCWECL	Yfiler™	[REDACTED]								
1		[REDACTED]								
NH764H	Yfiler™	[REDACTED]								
1		[REDACTED]								
PHKVP8	Yfiler™	[REDACTED]								
1		[REDACTED]								
QG9FW7	Yfiler™	[REDACTED]								
1		[REDACTED]								
UC3M9H							NR			
1		[REDACTED]								

TABLE 2

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

Item 1 - YSTR Results

XHFMDK	Yfiler™								
		ND	ND	ND	ND	ND	ND	ND	ND
1		ND	ND	ND	ND	ND	ND	ND	ND
							ND		ND
ZVRDU6	Yfiler™								
1									

TABLE 2

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

## Item 2 - YSTR Results

2HPL4Y	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
	14	11	11	21	30	14	16	11	24
2	39	11		21	16	18	21		11
2KNKYJ	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		24
		11	12	21	16		21	15	11
2LJ9FT	Yfiler™								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		
							21		11
2RBUNL	Yfiler™								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		
							21		11
2XQBFG	Yfiler™								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		
							21		11
34YW3T	Yfiler™								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		
							21		11
4HGLWU	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
	14	11	11	21	30	14	16	11	24
2	39	11		21	16	18	21		11
4V3XAP	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		24
		11	12	21	16		21	15	11
4WVVEP	Yfiler™								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		
							21		11
6ADLGJ	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		24
2		11	12	21	16		21	15	11
6UMZCX	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
	14	11	11	21	30	14	16	11	24
2	39	11		21	16	18	21		11
7DTBFM	Yfiler™								
		14	16,18	14	31	21	11	11	13
	14	11	11	21		14	16		
							21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
7JGFKP	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
7PQT9F	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
7QFJEA	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
7XHAY6	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
8H8KNP	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	-	14	16	-	-	
	-	-	-	-	-	-	21	-	11	
8NBVAN	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
8NXXL8	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
8WPF XU	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
8XYPLL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
9APUDH	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
9B296X	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
9K8B7P	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	



TABLE 2

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

Item 2 - YSTR Results

A27BDA	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		24
		11	12	21	16		21	15	11
AEFD9L	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
AEXLXF	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		24
		11	12	21	16		21	15	11
AQQZ6P	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
2		14	11	11	21	30	14	16	11
	39	11		21	16	18	21		11
ARJVL7	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
B7KMAW	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
BERBGH	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
BVENXV	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
C4MKF8	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
C9GEET	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
CF4MWJ	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		24
		11	12	21	16		21	15	11
CGBJ7A	Yfiler™								
		14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
CKWJY	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
D6DLVZ	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
DACTHH	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	-	14	16	-	-	
	-	-	-	-	-	-	21	-	11	
E4MFDN	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
E73UG4	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
EJEBRZ	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
ENK9WX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
ENMWFX	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
EPGKXT	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
EQD3X9	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
EQWNQY	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
ERM3YA	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
FDGFZC	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
FDJ9WY	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
G72WJX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
GC2XLR	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
GDJHAG	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21			11
GJ4LEY	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21			11
GLXAXU	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15		11
GYF2HU	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15		11
HA8NPW	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15		11
HDDDQX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
HEBKUB	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
HHBRDN	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
HY9TR2	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
J2X6ZB	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
JCWECL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
JW7TAL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
JYBGPB	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	-	14	16	-	-	
	-	-	-	-	-	-	21	-	-	11
K3MQ9T	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
K3R7NE	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21			11
K4K26V	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
KF8RRZ	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
KG7DHQ	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
KMRPH9	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
L3389R	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21			11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
L7YFBW	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
LPB2W4	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
M73XPR	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
M7YBCJ	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
M8VTCZ	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
M9M7XL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
MNGZ77	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
N7TF7J	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
N7W3JQ	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
N8QQ3L	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
NH764H	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
NPNTYQ	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
NPREV7	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
P22DYD	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
P6YRNN	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
P7ECA7	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	-	14	16	-	-	
	-	-	-	-	-	-	21	-	11	
PGCCMB	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
PHKVP8	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
Q76HNN	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
QG9FW7	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
R2TBYH	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
R4D39Z	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
R4TNH2	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
RDNJND	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
RHGJZM	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
RU8F3K	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
RV6QXN	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
TGBFKW	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
TXMQDP	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
U646RK	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
UC3M9H	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
UDWBRD	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
UKXPBU	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
URE9N2	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
UUGM3E	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21		11	
UX4LWG	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	

TABLE 2

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

Item 2 - YSTR Results

UYWGCX	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
VEL7LZ	PowerPlex® Y 23	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		24
		11	12	21	16		21	15	11
VH6HPQ	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
VMBBJM	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
WA4M4X	Yfiler™	not tested	14	16,18	14	31	21	11	13
2		14	11	11	21	not tested	14	16	not tested
		not tested	not tested	not tested	not tested	not tested	not tested	21	not tested
not tested									11
WALAJC	PowerPlex® Y 23	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		24
		11	12	21	16		21	15	11
WEWMKE	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
WYKRZW	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
X4EPTF	PowerPlex® Y 23	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		24
		11	12	21	16		21	15	11
X6QMJW	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
X724JB	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11
XHFMDK	Yfiler™	14	16,18	14	31	21	11	11	13
2		14	11	11	21	14	16		
							21		11



TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 2 - YSTR Results</b>										
XK3E9M	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
YHDA84	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
2	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21			11
YK4FPE	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
Z3BLEV	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
Z8LUGK	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
Z9GHXV	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
ZVCFWR	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
ZVE8TE	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11
ZVRDU6	Yfiler™									
		14	16,18	14	31	21	11	11	13	
2	14	11	11	21		14	16			
							21			11

TABLE 2

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

## Item 3 - YSTR Results

2BK8XN	Yfiler™								
	N/A	14	16,18	14	31	21	11	11	13
	3	14	11	11	21	N/A	14	16	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	11
2HPL4Y	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
	3	14	11	11	21	30	14	16	24
	39	11		21	16	18	21		11
2KNKYJ	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	24
		11	12	21	16		21	15	11
2LJ9FT	Yfiler™								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	
						21			11
2RBUNL	Yfiler™								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	
						21			11
2XQBFG	Yfiler™								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	
						21			11
34YW3T	Yfiler™								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	
						21			11
4HGLWU	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
	3	14	11	11	21	30	14	16	24
	39	11		21	16	18	21		11
4V3XAP	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	24
		11	12	21	16		21	15	11
4WVVEP	Yfiler™								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	
						21			11
6ADLGJ	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
	3	14	11	11	21		14	16	24
		11	12	21	16		21	15	11
6UMZCX	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
	3	14	11	11	21	30	14	16	24
	39	11		21	16	18	21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
7DTBFM	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
7PQT9F	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
7QFJEA	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			24
		11	12	21	16		21	15	11	
7XHAY6	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
8H8KNP	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	-	14	16	-	-
	-	-	-	-	-	-	21	-	11	
8NXXL8	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
8WPF XU	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			24
		11	12	21	16		21	15	11	
8XYPLL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
9APUDH	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			24
		11	12	21	16		21	15	11	
9B296X	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
A27BDA	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			24
		11	12	21	16		21	15	11	
AEFD9L	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	

TABLE 2

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

Item 3 - YSTR Results

AEXLXF	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		24
		11	12	21	16		21	15	11
AQQZ6P	Yfiler™ Plus								
	36,39	14	16,18	14	31	21	11	11	13
3	14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21		11
ARJVL7	Yfiler™								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		
							21		11
B7KMAW	Yfiler™								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		
							21		11
BERBGH	Yfiler™								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		
							21		11
C4MKF8	Yfiler™								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		
							21		11
CGBJ7A	Yfiler™								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		
							21		11
CKVJY	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		24
		11	12	21	16		21	15	11
D6DLVZ	Yfiler™								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		
							21		11
DACTHH	Yfiler™								
	-	14	16,18	14	31	21	11	11	13
3	14	11	11	21	-	14	16	-	-
	-	-	-	-	-	-	21	-	11
DGBHYM	Yfiler™								
	N/A	14	16,18	14	31	21	11	11	13
3	14	11	11	21	N/A	14	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	11
E4MFDN	PowerPlex® Y 23								
		14	16,18	14	31	21	11	11	13
3	14	11	11	21		14	16		24
		11	12	21	16		21	15	11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
E73UG4	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
EJEBRZ	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
ENK9WX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
ENMWFY	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
EPGKXT	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			24
		11	12	21	16		21	15		11
EQD3X9	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
EQWVQY	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
ERM3YA	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
FDGFZC	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
FDJ9WY	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
G72WJX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11
GC2XLR	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21			11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
GDJHAG	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
GJ4LEY	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
GLXAXU	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
GYF2HU	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
HA8NPW	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
HDDDQX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
							21		11	
HEBKUB	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
							21		11	
HHBRDN	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
HY9TR2	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
							21		11	
JW7TAL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
							21		11	
JYBGPB	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	-	14	16	-	-	
	-	-	-	-	-	-	21	-	11	
K3MQ9T	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
K3R7NE	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
K4K26V	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
KF8RRZ	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
KG7DHQ	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
KMRPH9	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
L3389R	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
L7YFBW	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
LPB2W4	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
M73XPR	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
M7YBCJ	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
M8VTCZ	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
M9M7XL	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
MNGZ77	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
N7TF7J	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
N7W3JQ	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
N8QQ3L	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
NPNTYQ	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
NPREV7	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
P22DYD	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
P6YRNN	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
P7ECA7	Yfiler™									
	-	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	-	14	16	-	-	
	-	-	-	-	-	-	21	-	11	
PGCCMB	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
PHKVP8	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
PWNTUC	Yfiler™									
	N/A	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	N/A	14	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	11	



TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
Q76HNW	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
QG9FW7	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
R2TBYH	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16		24	
		11	12	21	16		21	15	11	
R4D39Z	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
R4TNH2	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
RDNJND	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
RHGJZM	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
RU8F3K	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
RV6QXN	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3		14	11	11	21	30	14	16	11	24
	39	11		21	16	18	21			11
TGBFKW	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16		24	
		11	12	21	16		21	15	11	
TXMQDP	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	
U646RK	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3		14	11	11	21	14	16			
							21		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
UC3M9H	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
UDWBRD	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
UKXPBU	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
UUGM3E	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
UX4LWG	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
UYEH48	Yfiler™									
	n/a	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	n/a	14	16	n/a	n/a	
	n/a	n/a	n/a	n/a	n/a	n/a	21	n/a	11	
UYWG CX	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
VH6HPQ	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
VMBBJM	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
VRX8P7	Yfiler™									
	N/A	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	N/A	14	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	11	
WA4M4X	Yfiler™									
	not tested	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	not tested	14	16	not tested	not tested	
	not tested	not tested	not tested	not tested	not tested	not tested	21	not tested	11	
WALAJC	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 3 - YSTR Results</b>										
WEWMKE	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
WYKRZW	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
X4EPTF	PowerPlex® Y 23									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16		24	
		11	12	21	16		21	15	11	
X6QMJW	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
X724JB	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
XHFMDK	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
XK3E9M	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
YHDA84	Yfiler™ Plus									
	36,39	14	16,18	14	31	21	11	11	13	
3	14	11	11	21	30	14	16	11	24	
	39	11		21	16	18	21		11	
YK4FPE	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
Z3BLEV	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
Z8LUGK	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	
Z9GHXV	Yfiler™									
		14	16,18	14	31	21	11	11	13	
3	14	11	11	21		14	16			
							21		11	

TABLE 2

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

Item 3 - YSTR Results

ZVCFWR	Yfiler™								
		14	16,18	14	31	21	11	11	13
3		14	11	11	21	14	16		
							21		11
ZVE8TE	Yfiler™								
		14	16,18	14	31	21	11	11	13
3		14	11	11	21	14	16		
							21		11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
2BK8XN	Yfiler™									
	N/A	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	N/A	15	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	11	
2HPL4Y	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
2KNKYJ	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
2LJ9FT	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
2RBUNL	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
2XQBFG	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
34YW3T	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
4HGLWU	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
4V3XAP	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
4WVVEP	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
6ADLGJ	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
6UMZCX	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	

TABLE 2

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

Item 4 - YSTR Results

7DTBFM	Yfiler™	14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		
							24		11
7PQT9F	Yfiler™ Plus	37,38	14	14,21	12	28	26	11	13
4		14	11	11	19	27	15	16	25
		39	14		19	15	22	24	11
7QFJEA	PowerPlex® Y 23	14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		25
		14	12	19	15		24	11	11
7XHAY6	Yfiler™ Plus	37,38	14	14,21	12	28	26	11	13
4		14	11	11	19	27	15	16	25
		39	14		19	15	22	24	11
8H8KNP	Yfiler™	-	14	14,21	12	28	26	11	13
4		14	11	11	19	-	15	16	-
		-	-	-	-	-	24	-	11
8NXXL8	Yfiler™ Plus	37,38	14	14,21	12	28	26	11	13
4		14	11	11	19	27	15	16	25
		39	14		19	15	22	24	11
8WPF XU	PowerPlex® Y 23	14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		25
		14	12	19	15		24	11	11
8XYPLL	Yfiler™	14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		
							24		11
9APUDH	PowerPlex® Y 23	14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		25
		14	12	19	15		24	11	11
9B296X	Yfiler™ Plus	37,38	14	14,21	12	28	26	11	13
4		14	11	11	19	27	15	16	25
		39	14		19	15	22	24	11
A27BDA	PowerPlex® Y 23	11	14	14	12	28	26	11	13
4		14	11	11	19	21	16		25
		14	12	19	15		24	11	15
AEFD9L	Yfiler™	14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		
							24		11

TABLE 2

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

Item 4 - YSTR Results

AEXLXF	PowerPlex® Y 23								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		25
		14	12	19	15		24	11	11
AQQZ6P	Yfiler™ Plus								
	37,38	14	14,21	12	28	26	11	11	13
4	14	11	11	19	27	15	16	11	25
	39	14		19	15	22	24		11
ARJVL7	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
B7KMAW	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
BERBGH	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
C4MKF8	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
CGBJ7A	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
CKWJY	PowerPlex® Y 23								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		25
		14	12	19	15		24	11	11
D6DLVZ	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
DACTHH	Yfiler™								
	-	14	14,21	12	28	26	11	11	13
4	14	11	11	19	-	15	16	-	-
	-	-	-	-	-	-	24	-	11
DGBHYM	Yfiler™								
	N/A	14	14,21	12	28	26	11	11	13
4	14	11	11	19	N/A	15	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	11
E4MFDN	PowerPlex® Y 23								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		25
		14	12	19	15		24	11	11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
E73UG4	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
EJEBRZ	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
ENK9WX	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
ENMWFX	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
EPGKXT	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
EQD3X9	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
EQWNQY	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
ERM3YA	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
FDGFZC	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
FDJ9WY	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
G72WJX	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
GC2XLR	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	



TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
GDJHAG	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
GJ4LEY	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
GLXAXU	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
GYF2HU	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
HA8NPW	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
HDDDQX	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
							24		11	
HEBKUB	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
							24		11	
HHBRDN	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
HY9TR2	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
							24		11	
JW7TAL	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
							24		11	
JYBGPB	Yfiler™									
	-	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	-	15	16	-	-	
	-	-	-	-	-	-	24	-	11	
K3MQ9T	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
							24		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
K3R7NE	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
K4K26V	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
KF8RRZ	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
KG7DHQ	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
KMRPH9	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
L3389R	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
L7YFBW	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
LPB2W4	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
M73XPR	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
M7YBCJ	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
M8VTCZ	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
M9M7XL	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
Item	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
MNGZ77	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24			11
N7TF7J	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
N7W3JQ	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24			11
N8QQ3L	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
NPNTYQ	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24			11
NPREV7	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24			11
P22DYD	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24			11
P6YRNN	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24			11
P7ECA7	Yfiler™									
	-	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	-	15	16	-	-	
	-	-	-	-	-	-	24	-	-	11
PGCCMB	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24			11
PHKVP8	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24			11
PWNTUC	Yfiler™									
	N/A	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	N/A	15	16	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	N/A	11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
Q76HNW	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
QG9FW7	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
R2TBYH	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
R4D39Z	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
R4TNH2	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
RDNJND	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
RHGJZM	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
RU8F3K	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
RV6QXN	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
TGBFKW	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
TXMQDP	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
U646RK	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>Item 4 - YSTR Results</b>									
UC3M9H	Yfiler™ Plus								
	37,38	14	14,21	12	28	26	11	11	13
4	14	11	11	19	27	15	16	11	25
	39	14		19	15	22	24		11
UDWBRD	PowerPlex® Y 23								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		25
		14	12	19	15		24	11	11
UKXPBU	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
UUGM3E	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
UX4LWG	Yfiler™ Plus								
	37,38	14	14,21	12	28	26	11	11	13
4	14	11	11	19	27	15	16	11	25
	39	14		19	15	22	24		11
UYEH48	Yfiler™								
	n/a	14	14,21	12	28	26	11	11	13
4	14	11	11	19	n/a	15	16	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	24	n/a	11
UYWG CX	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
VH6HPQ	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
VMBBJM	Yfiler™								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		
							24		11
VRX8P7	Yfiler™								
	N/A	14	14,21	12	28	26	11	11	13
4	14	11	11	19	N/A	15	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	24	N/A	11
WA4M4X	Yfiler™								
	19	14	14	12	28	26	13	24	21
4	11	14	11	11	not tested	15	16	not tested	not tested
	not tested	not tested	not tested	not tested	not tested	not tested	11	not tested	11
WALAJC	PowerPlex® Y 23								
		14	14,21	12	28	26	11	11	13
4	14	11	11	19		15	16		25
		14	12	19	15		24	11	11

TABLE 2

WebCode	Amplification Kit									
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4	
<b>Item 4 - YSTR Results</b>										
WEWMKE	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
WYKRZW	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
X4EPTF	PowerPlex® Y 23									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16		25	
		14	12	19	15		24	11	11	
X6QM JW	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
X724JB	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
XHFMDK	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
XK3E9M	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
YHDA84	Yfiler™ Plus									
	37,38	14	14,21	12	28	26	11	11	13	
4	14	11	11	19	27	15	16	11	25	
	39	14		19	15	22	24		11	
YK4FPE	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
Z3BLEV	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
Z8LUGK	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	
Z9GHXV	Yfiler™									
		14	14,21	12	28	26	11	11	13	
4	14	11	11	19		15	16			
							24		11	

TABLE 2

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

Item 4 - YSTR Results

ZVCFWR	Yfiler™								
		14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		
							24		11
ZVE8TE	Yfiler™								
		14	14,21	12	28	26	11	11	13
4		14	11	11	19	15	16		
							24		11

# Additional DNA Results

## TABLE 3

<b>Locus</b>	<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
<b>QS1</b>	7NV9LG			Q	Q
	DLJ6WR	Q	Q		
	FU4BHN	Q	Q		
	KZFR3L	Q	Q		
	MECNEJ	Q	Q		
	PGRXFF	Q	Q		
<b>QS2</b>	7NV9LG			S	S
	DLJ6WR	S	S		
	FU4BHN	S	S		
	KZFR3L	S	S		
	MECNEJ	S	S		
	PGRXFF	S	S		



# DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
2AA3MK	No	No	Yes	No	4BVM7L	No	No	Yes	No
2AUPZ9	No Interpretations Reported, DNA Analyzed for Database purposes only.				4HGLWU	No	No	Yes	No
2B3X6M	No	No	Yes	No	4Q7U2C	No	No	Yes	No
2BK8XN	No	No	Yes	No	4V3XAP	No	No	Yes	No
2HPL4Y	No	No	Yes	No	4WVVEP	No	No	Yes	No
2HQFPQ	No	No	Yes	No	6ADLGJ	No	No	Yes	No
2KNKYJ	No	No	Yes	No	6BB7QJ	No	No	Yes	No
2LJ9FT	No	No	Yes	No	6BUYHG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2RBUNL	No	No	Yes	No	6DDTXB	No	No	Yes	No
2XGH49	No	No	Yes	No	6K4JMX	No	No	Yes	No
2XQBFG	No	No	Yes	No	6KXQQ6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
34YW3T	No Interpretations Reported, DNA Analyzed for Database purposes only.				6UMZCX	No	No	Yes	No
38H8G4	No	No	Yes	No	6XLGKL	No	No	Yes	No
39UA2G	No	No	Yes	No	786NM3	No	No	Yes	No
3EV3XC	No	No	Yes	No	7DTBFM	No	No	Yes	No
3K6Y3M	No	No	Yes	No	7GYDLW	No	No	Yes	No
3UVZJ3	No	No	Yes	No	7JGFKP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4BVB67	No	No	Yes	No	7JWF87	No	No	Yes	No

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
7NV9LG	No	No	Yes	No	9K8B7P	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7PQT9F	No	No	Yes	No	9VM862	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7QFJEA	No	No	Yes	No	9VNN4E	No	No	Yes	No
7W6X4F	No	No	Yes	No	A27BDA	No	No	Yes	No
7XHAY6	No	No	Yes	No	A7KKLD	No	No	Yes	No
8CHCVJ	No	No	Yes	No	AEFD9L	No	No	Yes	No
8H8KNP	No	No	Yes	No	AEXLXF	No	No	Yes	No
8NBVAN	No Interpretations Reported, DNA Analyzed for Database purposes only.				AQPN4A	No	No	Yes	No
8NXXL8	No	No	Yes	No	AQQZ6P	No	No	Yes	No
8PHRJE	No	No	Yes	No	ARJVL7	No	No	Yes	No
8WMQTX	No	No	Yes	No	ATDJ3G	No	No	Yes	No
8WPF XU	No	No	Yes	No	AY2NZ7	No	No	Yes	No
8XYPLL	No	No	Yes	No	B7KMAW	No	No	Yes	No
93NERG	No	No	Yes	No	BAX9F4	No	No	Yes	No
96P7G3	No	No	Yes	No	BCL74E	No	No	Yes	No
9AM49K	No	No	Yes	No	BECRWK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9APUDH	No	No	Yes	No	BERBGH	No	No	Yes	No
9B296X	No	No	Yes	No	BKKLYE	No	No	Yes	No
9JQK27	No	No	Yes	No	BMLPNF	No	No	Yes	No

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
BVENXV	No Interpretations Reported, DNA Analyzed for Database purposes only.				EAKNKV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BX3ZUF	No	No	Yes	No	EFU8JN	No	No	Yes	No
C4MKF8	No	No	Yes	No	EJEBRZ	No	No	Yes	No
C4P8WK	No	No	Yes	No	ENK9WX	No	No	Yes	No
C7W2RP	No Interpretations Reported, DNA Analyzed for Database purposes only.				ENMWFX	No	No	Yes	No
C86FHY	No	No	Yes	No	EPGKXT	No	No	Yes	No
C9GEET	No Interpretations Reported, DNA Analyzed for Database purposes only.				EQD3X9	No	No	Yes	No
CF4MWJ	No Interpretations Reported, DNA Analyzed for Database purposes only.				EQWNQY	No	No	Yes	No
CGBJ7A	No	No	Yes	No	ERM3YA	No	No	Yes	No
CKWJY	No	No	Yes	No	FBFUEV	No	No	Yes	No
D2XB4K	No	No	Yes	No	FDGFZC	No	No	Yes	No
D6DLVZ	No	No	Yes	No	FDJ9WY	No	No	Yes	No
D8F267	No	No	Yes	No	FMQKD3	No	No	Yes	No
DACTHH	No	No	Yes	No	FQW4KB	No	No	Yes	No
DG6RRX	No	No	Yes	No	FR4G2D	No	No	Yes	No
DGBHYM	No	No	Yes	No	FU4BHN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DLJ6WR	No Interpretations Reported, DNA Analyzed for Database purposes only.				G3H3HR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E4MFDN	No	No	Yes	No	G72WJX	No	No	Yes	No
E73UG4	No	No	Yes	No	G74HEE	No	No	Yes	No

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
GC2XLR	No	No	Yes	No	HY9TR2	No	No	Yes	No
GDJHAG	No	No	Yes	No	HZCR8A	No	No	Yes	No
GJ4LEY	No	No	Yes	No	J2X6ZB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GJ9XZA	No	No	Yes	No	J4ZKEN	No	No	Yes	No
GLXAXU	No	No	Yes	No	JCWECL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GM3HLY	No	No	Yes	No	JE6TFZ	No	No	Yes	No
GMM2R7	No	No	Yes	No	JEKQA7	No	No	Yes	No
GQ9H36	No	No	Yes	No	JFG8NP	No	No	Yes	No
GYF2HU	No	No	Yes	No	JW7TAL	No	No	Yes	No
GZCE6M	No	No	Yes	No	JYBGPB	No	No	Yes	No
H24Z8C	No	No	Yes	No	JZJX34	No	No	Yes	No
H3GK28	No	No	Yes	No	K3MQ9T	No	No	Yes	No
HA8NPW	No	No	Yes	No	K3R7NE	No	No	Yes	No
HDDDQX	No	No	Yes	No	K4K26V	No	No	Yes	No
HEBKUB	No	No	Yes	No	K6CGJT				
HGUECR	No Interpretations Reported, DNA Analyzed for Database purposes only.				KDPQ77	No	No	Yes	No
HHBRDN	No	No	Yes	No	KF8RRZ	No	No	Yes	No
HLNBYW	No	No	Yes	No	KG7DHQ	No	No	Yes	No
HNGMWN	No	No	Yes	No	KKQMVR	No	No	Yes	No

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
KLX34J	No Interp	No Interp	No Interp	No Interp	M9M7XL	No	No	Yes	No
KMRPH9	No	No	Yes	No	MECNEJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KQYGVZ	No	No	Yes	No	MH9CVQ	No	No	Yes	No
KWH92M	No	No	Yes	No	MNGZ77	No	No	Yes	No
KZFR3L	No Interpretations Reported, DNA Analyzed for Database purposes only.				MWWT2G	No	No	Yes	No
L3389R	No	No	Yes	No	MYEAUL	No	No	Yes	No
L7LGY6	No	No	Yes	No	N7TF7J	No	No	Yes	No
L7YFBW	No	No	Yes	No	N7W3JQ	No	No	Yes	No
LC3GBQ	No	No	Yes	No	N8QQ3L	No	No	Yes	No
LLEY7N	No Interpretations Reported, DNA Analyzed for Database purposes only.				NB7MQQ	No	No	Yes	No
LPB2W4	No	No	Yes	No	NH764H	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LRHJVZ	No	No	Yes	No	NL6YYJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LWZZMX	No	No	Yes	No	NPNTYQ	No	No	Yes	No
M6ZR8Q	No	No	Yes	No	NPREV7	No	No	Yes	No
M73XPR	No	No	Yes	No	NTPYEW	No Interpretations Reported, DNA Analyzed for Database purposes only.			
M7Y9PZ	No	No	Yes	No	NYRQN9	No	No	Yes	No
M7YBCJ	No	No	Yes	No	P22DYD	No	No	Yes	No
M8VTCZ	No	No	Yes	No	P469HF	No	No	Yes	No
M8WL9M	No	No	Yes	No	P6XJFJ	No	No	Yes	No

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
P6YRNN	No	No	Yes	No	RU8F3K	No	No	Yes	No
P7ECA7	No	No	Yes	No	RUNVEW	No	No	Yes	No
PGCCMB	No	No	Yes	No	RV6QXN	No	No	Yes	No
PGRXFF	No Interpretations Reported, DNA Analyzed for Database purposes only.				RW24KG	No	No	Yes	No
PHKVP8	No Interpretations Reported, DNA Analyzed for Database purposes only.				RXN7AW	No	No	Yes	No
PL3AVT	No	No	Yes	No	TGBFKW	No	No	Yes	No
PRR4D6	No	No	Yes	No	TXMQDP	No	No	Yes	No
PWNTUC	No	No	Yes	No	U646RK	No	No	Yes	No
Q76HNW	No	No	Yes	No	U84DWW	No	No	Yes	No
QDN38H	No Interpretations Reported, DNA Analyzed for Database purposes only.				UB7TA8	No	No	Yes	No
QG9FW7	No Interpretations Reported, DNA Analyzed for Database purposes only.				UC3M9H	No	No	Yes	No
QNMGVF					UDWBRD	No	No	Yes	No
QPHEM2	No	No	Yes	No	UKXPBU	No	No	Yes	No
R2TBYH	No	No	Yes	No	ULMFJ9	No	No	Yes	No
R4D39Z	No	No	Yes	No	URE9N2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
R4TNH2	No	No	Yes	No	UUGM3E	No	No	Yes	No
RDNJND	No	No	Yes	No	UX4LWG	No	No	Yes	No
RHGJZM	No	No	Yes	No	UYCGXU	No	No	Yes	No
RJ87HC					UYEH48	No	No	Yes	No

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
UYWGCX	No	No	Yes	No	XHFMDK	No	No	Yes	No
VEL7LZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				XK3E9M	No	No	Yes	No
VH6HPQ	No Interp	No Interp	Yes	No	XKKQQM	No	No	Yes	No
VHJ4YT	No	No	Yes	No	XRW6B4	No	No	Yes	No
VMBBJM	No	No	Yes	No	XYZRLT	No	No	Yes	No
VMEGV	No	No	Yes	No	YHDA84	No	No	Yes	No
VP7DKP	No Interpretations Reported, DNA Analyzed for Database purposes only.				YK4FPE	No	No	Yes	No
VQWVQC	No	No	Yes	No	YLAK2W	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VRX8P7	No	No	Yes	No	YYB9XW	No	No	Yes	No
VT2LTK	No	No	Yes	No	Z2GXXK	No	No	Yes	No
WA4M4X	No	No	Yes	No	Z3BLEV	No	No	Yes	No
WALAJC	No	No	Yes	No	Z7UAVR	No	No	Yes	No
WEWMKE	No	No	Yes	No	Z8LUGK	No	No	Yes	No
WN4LUF	No	No	Yes	No	Z93A9L	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WYKRZW	No	No	Yes	No	Z9GHXV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
X4EPTF	No	No	Yes	No	ZDE9NL	No	No	Yes	No
X6QMJW	No	No	Yes	No	ZEM968	No	No	Yes	No
X724JB	No	No	Yes	No	ZUK4ZM	No	No	Yes	No
XBY4V7	No	No	Yes	No	ZVCFWR	No	No	Yes	No

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
ZVE8TE	No	No	Yes	No					
ZVRDU6	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZXKC6W	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZXKN8X	No	No	Yes	No					

<b>DNA Interpretation</b>					
<b>Response Summary</b>	<b>Participants reporting DNA results: 268</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>226</b>	<b>0</b>
No		<b>225</b>	<b>225</b>	<b>0</b>	<b>226</b>
Inc		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
No Interpretation		<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>
No Response		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

Participants analyzing DNA for database purposes only: 38



# Additional Comments

## TABLE 5

WebCode	Additional Comments
2AUPZ9	Questioned items 3 and 4 were not FTA samples. These samples were not processed.
2HPL4Y	"NR" is defined as "No Results"
2KNKYJ	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. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that may have been given weight during the development of the genotype probability distribution table.
2LJ9FT	Item 1-4 Yfiler locus DYS385 : additional potential allele observed in bin 20 below threshold, cannot be differentiated from artifact. NR=No Result
2XGH49	N.D.: Not Detected
2XQBFG	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.
38H8G4	For Item #4, Off-Ladder Allele at D2S441 reported as 14.1
3K6Y3M	ND = No DNA detected
3UVZJ3	Foreign male DNA result was obtained from Item 4 (Questioned blood stain from the victim's pants): Therefore request the reference sample (known blood from the other male suspect).
4BVB67	A1-4: OL @ D2S441 not confirmed. Appears to be 14.1.
4HGLWU	NR = No Results
7DTBFM	For Item 1-4.1, an additional peak was observed at the genetic locus DYS385a/b (allele 20, greater than stutter filter). No statistical significance has been attributed to this locus.
7GYDLW	The red/brown staining from the shirt (Item 3) and the pants (Item 4) tested positive for the presence of blood using the phenolphthalein and Hemastix presumptive tests.
7JWF87	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.
7PQT9F	NR = No Results
7W6X4F	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.
7XHAY6	NR-No results
8H8KNP	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using TECAN EVO FREEDOM extraction method. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xl for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.

TABLE 5

WebCode	Additional Comments
8PHRJE	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.
8WMQTX	Foreign DNA results were obtained from Item 4.
9B296X	NR= no results
9K8B7P	NR = No Results
9VM862	Questioned items 3 and 4 were not FTA samples. These samples were not processed.
9VNN4E	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.
A27BDA	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. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that may have been given weight during the development of the genotype probability distribution table.
AEFD9L	OL = Off Ladder
AQPN4A	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.
AQQZ6P	NR = No Results
BERBGH	NR = No Result
C4MKF8	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.
CGBJ7A	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 sample preparation, laboratory processing, and interpretation were performed by this analyst.
D8F267	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.
DACTHH	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using TECAN EVO FREEDOM extraction method. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xl for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
E73UG4	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.

TABLE 5

WebCode	Additional Comments
EFU8JN	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. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that may have been given weight during the development of the genotype probability distribution table.
EJEBRZ	NR= No Results
ENMWFX	NR = No results
FBFUEV	Presumptive tests (leucomalachite green) for items 3 and 4: Result POSITIVE for blood
G3H3HR	Questioned Items 3 and 4 were not FTA samples. These samples were not processed.
GDJHAG	NR=no result
GJ4LEY	NR = no results
GJ9XZA	A differential extraction was performed on Items 3 and 4; however no DNA profile was obtained from the sperm fraction of these samples. The profiles listed for samples 3 and 4 are the DNA profiles obtained from the epithelial fractions of these samples.
GLXAXU	N.D. - Not detected.
GMM2R7	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 robotics and interpretation were performed on this proficiency test.
HHBRDN	RMP item 1 = 1.34e+30. item 2 = item 3. RMP item 2-3 = 2.86e+39. RMP item 4 = 7.09e+47. (0.001 Rare alleles)
HNGMWN	Item 4: Off ladder allele detected at locus D2S441, interpreted as 14.1 allele
HY9TR2	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. MiniFiler results concordant with 24Plex results.
JW7TAL	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 Repeats) Genetic Loci was carried out using the AmpFISTR Identifiler Plus PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeats) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
JYBGPB	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using TECAN EVO FREEDOM extraction method. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmpFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xl for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.

TABLE 5

WebCode	Additional Comments
JZJX34	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.
K3R7NE	NR indicates no results
K6CGJT	Male screening was performed on items 3 and 4. Male screening preparation, robotics, interpretation, review, and report writing was covered in this proficiency test.
KF8RRZ	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. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that may have been given weight during the development of the genotype probability distribution table.
KLX34J	Genotype data was not entered for this proficiency because this analyst is only qualified/authorized to process samples through differential extraction at this time. Additionally, this analyst is qualified to prepare non-differential samples for extraction using an automated workflow. Therefore, a manual extraction was performed on the reference samples and the question samples were prepared for the automated extraction process.
KMRPH9	NR = No result
KWH92M	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Information from the analysis was used to determine the presence of male DNA on items 3 and 4. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modeling for forward and reverse 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.
L3389R	NR = no results.
L7YFBW	NR = No results
LLEY7N	Question items 3 and 4 were not FTA samples. These samples were not processed.
LRHJVZ	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 sample preparation, laboratory processing, and interpretation were performed by this analyst.
M73XPR	NR = no results
MNGZ77	NR = No result. Item 4 at YFiler location DYS385: A peak below threshold was observed at position 19 which cannot be differentiated from an artifact.
MYEAUL	N.D.: Not Detected
N7W3JQ	NR = no results
NL6YYJ	Question items 3 and 4 were not FTA samples. These samples were not processed.
P6YRNN	NR= No Results

TABLE 5

WebCode	Additional Comments
P7ECA7	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using TECAN EVO FREEDOM extraction method. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xl for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
PGCCMB	NR= no results
PL3AVT	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.
QDN38H	Questioned items 3 and 4 were not FTA samples. These samples were not processed.
QNMGVF	Male screening was performed on (Items 3 and 4) using the Plexor HY quantification kit. Information from the analysis was used to determine the presence of male DNA on (Items 3 and 4).
RDNJND	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 quantification was carried out using 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 Direct and Plus PCR Amplification Kit. 5. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using AmpFISTR Y-filer PCR Amplification Kit. 6. Capillary electrophoresis was carried out using the Applied Biosystems 3500XL Genetic Analyzer with Genemapper ID-X Software. 7. Reagent Blank, positive control and negative control were carried out throughout the analysis and all gave the intended results.
RHGJZM	NR=No results
RJ87HC	Genotype data was not entered for this proficiency because this analyst is only qualified/authorized to process samples through extraction at this time. Additionally, this analyst is qualified to prepare non-differential samples for extraction using an automated workflow. The evidence samples were prepared in this manner for this proficiency.
RU8F3K	NR= no results
RV6QXN	NR = No Result
RW24KG	Probabilistic genotyping (STRmix) was used for data analysis with stutter unfiltered. All alleles deemed possible for any contributor to the mixture has been reported. With probabilistic genotyping, stutter alleles are considered as either allelic or stutter during the deconvolution of samples. Sometimes, this results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the result.
TXMQDP	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.
UC3M9H	NR = no results
ULMFJ9	Item 4 at D2S441 exhibited an Off Ladder. Sample was re-amplified with similar results. Base pair value for the initial amplification was 102.42 and for the second amplification was 102.50. Base pair sizing for Allele 14 was 101.25 and 101.37. Samples were run on an ABI 3500.
UX4LWG	NR: No Results
VH6HPQ	Male screening sample preparation and laboratory processing were performed by [Name]. Interpretation was performed by this analyst. Y-STR laboratory processing were performed by [Name]. Interpretation was performed by this analyst.

TABLE 5

WebCode	Additional Comments
VHJ4YT	ND = not detected, NT = not tested
VMBBJM	NR = No Result
WA4M4X	NR = No Result
WEWMKE	Y-STR not performed on Item 1 because it is the female reference sample.
X4EPTF	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.
X6QM JW	NR = No Reaction
XBY4V7	1) Two different male profiles was obtained from Item 3 and Item 4. 2) Suspect (Item 2) is included on profile obtained from Item 3. 3) Suspect (Item 2) is excluded from the profile obtained from Item 4. 4) Victim (Item 1) is excluded from both Item 3 and Item 4 (victim is female). 5) A foreign male DNA result was obtained from Item 4.
XKKQQM	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.
Z2GXXK	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. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that may have been given weight during the development of the genotype probability distribution table.
Z3BLEV	For item 4 - high stutter noted at DYS391 in the Yfiler kit but not in the Fusion 6C kit
Z8LUGK	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.
ZUK4ZM	STRmix genotyping probability software was used to determine possible genotype combinations. No stutter filters are used when using this software and it is recognized that some stutter peaks can be recognized as true peaks.

-End of Report-  
(Appendix may follow)

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

## **Test No. 18-5805: DNA-Blood**

DATA MUST BE RECEIVED BY November 5, 2018 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 murder of a female victim. The victim was discovered by an individual walking home from a nearby restaurant. Police reviewed security footage from the restaurant and discovered two men walking away from where the victim's body was discovered. One of the male suspects was identified and soon apprehended. Investigators are submitting a stain from a shirt and a stain from a pair of pants, both collected from the victim. Screening has been performed on both samples with the following results: Item 3 (victim's shirt) and Item 4 (victim's pants) are both positive for blood. The screening lab is submitting these samples (Items 3 and 4) along with known blood samples from the female victim and male suspect.

#### 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 victim's shirt (brown)
- Item 4: Questioned blood stain from victim's pants (off-white)

**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).
- \* If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [ ].

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

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

- 1) The YSTR loci commonly generated using STR multiplex systems are now included in the STR section. (DYS391, DYS570, DYS576, Y Indel)
- 2) There is no longer a need to transcribe YSTR results from STR multiplex systems to the YSTR section.

For probabilistic genotyping software, a text field has been added directly below the amplification kit section for each item to capture which software was used.

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

Identifiler® \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 PowerPlex® \_\_\_\_\_ Other \_\_\_\_\_

**Report the Probabilistic Genotyping Software Used (if applicable):** \_\_\_\_\_

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	FGA	Penta D	Penta E	SE33	TH01	TPOX
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	vWA	DYS391	DYS570	DYS576	Y Indel	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ \_\_\_\_\_
  PowerPlex® Y \_\_\_\_\_
 Other \_\_\_\_\_

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

Please return all pages of this data sheet.

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

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

Identifiler® \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 PowerPlex® \_\_\_\_\_ Other \_\_\_\_\_

**Report the Probabilistic Genotyping Software Used (if applicable):** \_\_\_\_\_

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	FGA	Penta D	Penta E	SE33	TH01	TPOX
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>ITEM</b>	vWA	DYS391	DYS570	DYS576	Y Indel	
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ \_\_\_\_\_
  PowerPlex® Y \_\_\_\_\_
 Other \_\_\_\_\_

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

Please return all pages of this data sheet.

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

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

Identifiler® \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_  
 PowerPlex® \_\_\_\_\_ Other \_\_\_\_\_

**Report the Probabilistic Genotyping Software Used (if applicable):** \_\_\_\_\_

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	FGA	Penta D	Penta E	SE33	TH01	TPOX
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	vWA	DYS391	DYS570	DYS576	Y Indel	
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Yfiler™ \_\_\_\_\_
  PowerPlex® Y \_\_\_\_\_
 Other \_\_\_\_\_

<b>ITEM</b>	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

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

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

Identifiler® \_\_\_\_\_
  GlobalFiler™ \_\_\_\_\_
  Investigator® 24plex \_\_\_\_\_

PowerPlex® \_\_\_\_\_
 Other \_\_\_\_\_

**Report the Probabilistic Genotyping Software Used (if applicable):** \_\_\_\_\_

<b>ITEM</b>	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	FGA	Penta D	Penta E	SE33	TH01	TPOX
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>ITEM</b>	vWA	DYS391	DYS570	DYS576	Y Indel	
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Yfiler™ \_\_\_\_\_
  PowerPlex® Y \_\_\_\_\_
 Other \_\_\_\_\_

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

**Part II: DNA INTERPRETATION**

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

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

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**DNA interpretations not reported; samples analyzed for database purposes only.**

**Part III: ADDITIONAL COMMENTS**

Comments regarding any part of this test.

*Written conclusions (including statistical information) for DNA analysis are not required. Any interpretations based on the results obtained should be indicated above.*

*Note: Laboratories submitting their results for accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.*

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**Return Instructions:** Data must be received via online data entry, fax (please include a cover sheet), or mail by **November 05, 2018** to be included in the report. Emailed data sheets are not accepted.

ONLINE DATA ENTRY: [www.cts-portal.com](http://www.cts-portal.com)

FAX: +1-571-434-1937

MAIL: Collaborative Testing Services, Inc.  
P.O. Box 650820  
Sterling, VA 20165-0820 USA

QUESTIONS?  
TEL: +1-571-434-1925 (8 am - 4:30 pm EST)  
EMAIL: [forensics@cts-interlab.com](mailto:forensics@cts-interlab.com)  
[www.ctsforensics.com](http://www.ctsforensics.com)

**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. **18-5805: DNA-Blood**

This release page must be completed and received by **November 5, 2018** 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**

**ANAB** Certificate No. \_\_\_\_\_  
(Include ASCLD/LAB Certificate here)

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

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

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

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

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

**Accreditation Release**

**Return Instructions**

*Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.*

*Questions? Contact us 8 am-4:30 pm EST  
Telephone: +1-571-434-1925  
email: forensics@cts-interlab.com*

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