



## **DNA Database - Saliva Test No. 23-5840/1/2 Summary Report**

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Each participant received a sample set consisting of three buccal/saliva standards which they were requested to analyze using their existing protocols. Data were returned from 197 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 set consisted of a collection of known buccal cells from three individuals (Items 1-3), provided on either FTA™ Indicating Micro Cards, Bode Buccal® DNA Collectors, or Puritan® Cap-Shure® swabs. Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: All substrates were prepared from human buccal cheek cells suspended in sterile phosphate-buffered saline solution. The FTA™ Indicating Micro Cards were spotted with 120 µl of the cell suspension, the Bode Buccal® DNA Collectors were spotted with 200 µl of the cell suspension, and the Puritan® Cap-Shure® swabs were spotted with 125 µl of the cell suspension. Items 1 and 3 were created using two different male donors and Item 2 was created using a female donor. The items were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on February 06, 2023.

SAMPLE SET ASSEMBLY: For each sample set, all Items (1-3) of the same substrate type were packaged into separate envelopes and then placed together in a pre-labeled sample set envelope and sealed. The sealed sample set 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 across all three substrates.

### **Key to Test Substrates**

5840 - FTA™ Indicating Micro Cards

5841 - Bode Buccal® DNA Collectors

5842 - Puritan® Cap-Shure® Swabs

## Manufacturer's Information, continued

### Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
<hr style="border-top: 1px dashed #000;"/>						
1	14,17.3	16,24	14,14	14,15	12,13	*
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19	2	
<hr style="border-top: 1px dashed #000;"/>						
2	14,15	17,25	11,11.3	16,18	11,13	*
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17	NM	NM	NM	NM	
<hr style="border-top: 1px dashed #000;"/>						
3	14,15	18,25	9,11.3	15,16	10,13	*
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18	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	YGATAH4
<hr style="border-top: 1px dashed #000;"/>									
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12	12	17	19	23	23	10	11
<hr style="border-top: 1px dashed #000;"/>									
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	*
	37	12	11	18	18	21	22	12	11

\* A consensus was not achieved for the loci indicated.

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

## **Summary Comments**

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The DNA Database - Saliva test was designed to allow participants to assess their proficiency in the analysis of buccal samples by means of DNA profiling. Each sample set consisted of one of three buccal collection substrates: FTA™ Indicating Micro Cards, Bode Buccal® DNA Collectors, and Puritan® Cap-Shure® swabs. Items 1 and 3 were created using two different male donors and Item 2 was created using a female donor. (See Manufacturer's Information for preparation details)

Of the STR results returned, fourteen participants reported results that differed from the consensus /predistribution testing results for one or more item.

Of the YSTR results returned, seven participants reported results that differed from the consensus /predistribution testing results for one or more items. Additionally, one locus, DYS481 did not reach a consensus response. For this locus, seven participants reported "34", all of which reported using YFiler™ Plus; six reported "33,34,35", all using PowerPlex® Y23; one reported "35" and reported using YFiler™ Plus; and 12 reported ">32" or ">32,>32", most reporting "PowerPlex® Y23." Many of these participants discussed this anomaly in their Additional Comments (AC); however, three additional participants also mentioned this in their AC but did not report a result for this locus in the YSTR table.

# STR Amplification Kit(s) & Results

TABLE 1

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

23UC8M - 5841	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10				
294XFD - 5842	PowerPlex® Fusion					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
297MJB - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
2E8GEH - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
2F26WE - 5840	PowerPlex® Fusion 5C					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				
2FH227 - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		

TABLE 1

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

2M2L8J - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
2NXKJK - 5842		Identifiler® Plus				
1		16,24		14,15	12,13	
	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
2WUQP - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
384EQG - 5842		Identifiler® Plus				
1		16,24		14,15	12,13	
	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
39ZTDA - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
3BRUEQ - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
3L9KYU - 5840		GlobalFiler™ Express PCR Amplification Kit				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

3MGNQK - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
3PAGQA - 5842		Identifiler® Plus				
1		16,24		14,15	12,13	
	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
3ZQVHW - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
46DF7R - 5840		GlobalFiler™ Express PCR Amplification Kit				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
46ZAZV - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
47UFZL - 5841		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
4D8L4Y - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

4NTBXJ - 5840		PowerPlex® Fusion				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
638A9W - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
64JLVL - 5840		PowerPlex® Fusion 5C, GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10			2	
67L6TZ - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
6J9G3P - 5842		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
6JB77L - 5842		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
6LEEFJ - 5841		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10				



TABLE 1

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

6RPQT8 - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
6VA7DD - 5840	PowerPlex® 5C					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
6XTYQM - 5840	VERIFILER Plus					
	14,17.3	16,24	14,14	14,15	12,13	11,13
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17				2	
6ZJXBC - 5842	Identifiler® Plus					
		16,24		14,15	12,13	
1	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
73HTA7 - 5842	PowerPlex® Fusion 5C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
76ARN4 - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
78EUEL - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

7F64UP - 5842	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
7HB3TH - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
7HDQCG - 5841	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10				
7PGKKG - 5840	GlobalFiler™					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
7QQ82P - 5842	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
7X8FR8 - 5842	PowerPlex® Fusion 5C					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
7Y6QMA - 5840	NGM SElect Express					
	14,17.3	16,24	14,14	14,15		
1		12,15	16,16	19,20		9,11
	14,18	14,15	29,31	16,16	X,Y	
	20,20			17,20.2	6,9.3	
	14,17					

TABLE 1

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

88CD7F - 5840	PowerPlex® Fusion					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
89ZZ8G - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
8ADT3J - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
8E638B - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
8FMAV2 - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
8M6HJX - 5842	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
8NY28X - 5842	PowerPlex® Fusion 5C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				

TABLE 1

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

949ECV - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
94BP3D - 5840		PowerPlex® Fusion				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
99ZNGM - 5840		GlobalFiler™ Express PCR Amplification Kit				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
9MJYZP - 5840		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
9T7EF3 - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
9TP3XX - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
A46WLG - 5841		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				

TABLE 1

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

AAAAAL - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
AUTEUP - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
AXFWCA - 5842		Identifiler® Plus				
1		16,24		14,15	12,13	
	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
AZ3B2K - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
B6AGUV - 5841		GlobalFiler™ Direct				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
BCQYAP - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
BDMDWG - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

BEKNRK - 5842		GlobalFiler™, GlobalFiler Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
BGYZ9E - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
BTKR8P - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
BZWXVF - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
C6TAZ6 - 5841		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
C99YMG - 5840		GlobalFiler™ Express PCR Amplification Kit				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
CAH2HT - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

CHYZ3C - 5840	PowerPlex® Fusion5C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
CTDU3Q - 5842	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
CU73A3 - 5840	PowerPlex® 5C					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				
CWD7EC - 5840	GlobalFiler™					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
D2MJGP - 5840	GlobalFiler™					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
DBDRU7 - 5840	PowerPlex® Fusion 5C					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
DHB8XT - 5841	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		

TABLE 1

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

DKZ3B9 - 5842	Identifiler® Plus					
		16,24		14,15	12,13	
1	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
DW6ZXZ - 5840	PowerPlex® Fusion 5C					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				
DWD36F - 5842	GlobalFiler™					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
DXKK2Q - 5842	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
DXM8KP - 5840	GlobalFiler™					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
DYFK7A - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
EAAEVC - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	



TABLE 1

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

EDAPRC - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
EEC4P7 - 5840		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
EHPZ3U - 5841		PowerPlex® 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
FJHTDR - 5841		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
FN969N - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
G34N3W - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				
GAMRAY - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				

TABLE 1

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

GHEMBN - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
GHMXH9 - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
GTHD2H - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
GV2ZKC - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
GWGPXH - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
H9JNXZ - 5841		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
HNXFVL - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

HU8C3G - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
J22FA4 - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
JBBQV2 - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
K3F9UX - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
K4QPWW - 5842		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
KKAFXH - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
KMFHJT - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				

TABLE 1

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

KP6ATX - 5842		Identifiler® Plus				
		16,24		14,15	12,13	
1	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
KRU4MX - 5840		PowerPlex® Fusion 5C				
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
KUMCZ3 - 5840		PowerPlex® 21				
	14,17.3	16,24		14,15	12,13	11,13
1	11,11	12,15		19,20	12,12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17					
L2F4JG - 5842		GlobalFiler™ Express				
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
LAKT2Y - 5840		GlobalFiler™ Express				
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
LPNFP3 - 5840		PowerPlex® 21				
	14,17.3	16,24		14,15	12,13	11,13
1	11,11	12,15		19,20	12,12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17					
LUWXMA - 5842		GlobalFiler™ Express				
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

M3Q76F - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
MAQQ8B - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
MDQU2J - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
N9PCY9 - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
NAHK96 - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
NER2GT - 5840		Investigator® 24plex GO!				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10				
NEUQLQ - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				

TABLE 1

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

NN333U - 5840	Investigator® 24plex GO!					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10				
NNHEKY - 5841	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10				
NX44EL - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
PDXVF - 5842	GlobalFiler™ Express					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
PDZ33V - 5840	GlobalFiler™ Express, GlobalFiler					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
PKXRLK - 5840	Investigator® 24plex GO!					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10				
PMPBPQ - 5841	GlobalFiler™					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

PQK3TG - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
PY3W4X - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
QAGDBV - 5840		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
QF4978 - 5840		Investigator® 24plex GO				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10				
QFZDA3 - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
QL7EKB - 5840		PowerPlex® Fusion				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
QMKDPE - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

WebCode - Test	Amplification Kit	14,17.3	16,24	14,14	14,15	12,13	11,13
QNBJ66 - 5842	PowerPlex® Fusion, VeriFiler Express, SureID 27comp, HDplex, ForenSeq DNA Signature Prep	14,17.3	16,24	14,14	14,15	12,13	11,13
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20	12,13	10,12	17,20.2	6,9.3	8,11
		14,17	10	17	19	2	
QPMNQ2 - 5840	GlobalFiler™ Express	14,17.3	16,24	14,14	14,15	12,13	
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20			17,20.2	6,9.3	8,11
		14,17	10			2	
QWK2JW - 5840		14,17.3	16,24		14,15	12,13	11,13
1		11,11	12,15		19,20	12,12	9,11
		14,18	14,15	29,31		X,Y	10,11
		20,20	12,13	10,12		6,9.3	8,11
		14,17					
R6UWW3 - 5840	GlobalFiler™ Express PCR Amplification Kit	14,17.3	16,24	14,14	14,15	12,13	
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20			17,20.2	6,9.3	8,11
		14,17	10			2	
R9UY3R - 5842	Identifiler® Plus		16,24		14,15	12,13	
1		11	12,15			12	9,11
		14,18	14,15	29,31		X,Y	10,11
		20				6,9.3	8,11
		14,17					
RBKMFx - 5841	PowerPlex® Fusion 5C	14,17.3	16,24	14	14,15	12,13	
1		11	12,15	16	19,20	12	9,11
		14,18	14,15	29,31	16	X,Y	10,11
		20	12,13	10,12		6,9.3	8,11
		14,17	10				
RFE243 - 5840	VERIFILER Plus	14,17.3	16,24	14,14	14,15	12,13	11,13
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20	12,13	10,12		6,9.3	8,11
		14,17				2	



TABLE 1

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

RG6T7D - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	NR
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19	NR	
RH4UEP - 5841	PowerPlex® Fusion 5C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
RN8X6N - 5841	PowerPlex® Fusion 5C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
RQY7HT - 5842	Identifiler® Plus					
		16,24		14,15	12,13	
1	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
RTYAVE - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
RXV48G - 5842	PowerPlex® Fusion 6C					
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
T3LEFY - 5840	GlobalFiler™ Express					
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

T4VJUM - 5840		PowerPlex® Fusion 5C					
		14,17.3	16,24	14,14	14,15	12,13	
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20	12,13	10,12		6,9.3	8,11
		14,17	10,10				
T6UAYP - 5842		Identifiler® Plus					
			16,24		14,15	12,13	
1		11	12,15			12	9,11
		14,18	14,15	29,31		X,Y	10,11
		20				6,9.3	8,11
		14,17					
T76YH2 - 5840		verifiler Plus					
		14,17.3	16,24	14,14	14,15	12,13	11,13
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20	12,13	10,12		6,9.3	8,11
		14,17				2	
TKN8AD - 5842		PowerPlex® Fusion 6C					
		14,17.3	16,24	14	14,15	12,13	
1		11	12,15	16	19,20	12	9,11
		14,18	14,15	29,31	16	X,Y	10,11
		20	12,13	10,12	17,20.2	6,9.3	8,11
		14,17	10	17	19		
TR28JV - 5840		GlobalFiler™ Express, GlobalFiler					
		14,17.3	16,24	14,14	14,15	12,13	
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20			17,20.2	6,9.3	8,11
		14,17	10			2	
TTZTAN - 5842		GlobalFiler™ Express					
		14,17.3	16,24	14	14,15	12,13	
1		11	12,15	16	19,20	12	9,11
		14,18	14,15	29,31	16	X,Y	10,11
		20			17,20.2	6,9.3	8,11
		14,17	10			2	
TURUC6 - 5840		GlobalFiler™ Express					
		14,17.3	16,24	14,14	14,15	12,13	
1		11,11	12,15	16,16	19,20	12,12	9,11
		14,18	14,15	29,31	16,16	X,Y	10,11
		20,20			17,20.2	6,9.3	8,11
		14,17	10			2	

TABLE 1

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

TVP689 - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
TWHTP4 - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
U26PH6 - 5840		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
UA66CH - 5842		Identifiler®, PowerPlex® 16, PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
UGJ9N7 - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
UGLXT4 - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
V3FR44 - 5840		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		

TABLE 1

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

V3ZZ6E - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
V86EQV - 5840		GlobalFiler™ Express, GlobalFiler				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
V93AB7 - 5840		Investigator® 24plex GO!				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10				
V99RPQ - 5840		PowerPlex® 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
VFJPYA - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
VFLDH9 - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
VKVTPC - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		

TABLE 1

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

VNEDPR - 5840		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
W7EXAF - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
WREMWM - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
WTL7BA - 5842		PowerPlex® Fusion 6C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12	17,20.2	6,9.3	8,11
	14,17	10	17	19		
WV9ULP - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
WYWRBN - 5842		Identifiler® Plus				
1		16,24		14,15	12,13	
	11	12,15			12	9,11
	14,18	14,15	29,31		X,Y	10,11
	20				6,9.3	8,11
	14,17					
X2E97D - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	

TABLE 1

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

X3PBRC - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
XAN3AY - 5840		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
XBJZAT - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
XMU9CL - 5841		GlobalFiler™				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
XNPC3U - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	9,9.3	8,11
	14,17	10			2	
XPYXEU - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
XT4DGR - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				

TABLE 1

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

XV7RQX - 5840		GlobalFiler™ Express PCR Amplification Kit				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
Y28ZFH - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				
Y6WQ24 - 5840		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
YBFJY2 - 5840		PowerPlex® Fusion				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20	12,13	10,12		6,9.3	8,11
	14,17	10				
YJBXUU - 5840		GlobalFiler™ Express PCR Amplification Kit				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
YMQLC7 - 5842		GlobalFiler™ Express				
1	14,17.3	16,24	14	14,15	12,13	
	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
YX8PJH - 5840		PowerPlex® Fusion 5C				
1	14,17.3	16,24	14,14	14,15	12,13	
	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10,10				

TABLE 1

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

ZERXUL - 5840		GlobalFiler™ Express				
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
ZTAB8Z - 5842		GlobalFiler™ Express				
	14,17.3	16,24	14	14,15	12,13	
1	11	12,15	16	19,20	12	9,11
	14,18	14,15	29,31	16	X,Y	10,11
	20			17,20.2	6,9.3	8,11
	14,17	10			2	
ZTCZBW - 5840		GlobalFiler™ Express				
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	
ZV2V8J - 5840		PowerPlex® Fusion				
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20	12,13	10,12		6,9.3	8,11
	14,17	10				
ZX88YT - 5840		GlobalFiler™ Express				
	14,17.3	16,24	14,14	14,15	12,13	
1	11,11	12,15	16,16	19,20	12,12	9,11
	14,18	14,15	29,31	16,16	X,Y	10,11
	20,20			17,20.2	6,9.3	8,11
	14,17	10			2	



TABLE 1

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

23UC8M - 5841	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
294XFD - 5842	PowerPlex® Fusion					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
297MJB - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
2E8GEH - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
2F26WE - 5840	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
2FH227 - 5842	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
2M2L8J - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					

TABLE 1

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

2NXKJK - 5842	Identifiler® Plus					
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
2WUQP - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
384EQG - 5842	Identifiler® Plus					
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
39ZTDA - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
3BRUEQ - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
3L9KYU - 5840	GlobalFiler™ Express PCR Amplification Kit					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
3MGNQK - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

3PAGQA - 5842	Identifiler® Plus					
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
3ZQVHW - 5840	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
46DF7R - 5840	GlobalFiler™ Express PCR Amplification Kit					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17	-			-	
46ZAZV - 5842	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	no results	no results	no results		
47UFZL - 5841	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
4D8L4Y - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
4NTBXJ - 5840	PowerPlex® Fusion					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					

TABLE 1

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

638A9W - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
64JLVL - 5840		PowerPlex® Fusion 5C, GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
67L6TZ - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
6J9G3P - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
6JB77L - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
6LEEFJ - 5841		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
6RPQT8 - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

6VA7DD - 5840		PowerPlex® 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17	NR				
6XTYQM - 5840		VERIFILER Plus				
	14,15	17,25	11,11.3	16,18	11,13	11,17
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
6ZJXBC - 5842		Identifiler® Plus				
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
73HTA7 - 5842		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17	NR				
76ARN4 - 5842		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
78EUEL - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
7F64UP - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

7HB3TH - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
7HDQCG - 5841		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
7PGKKG - 5840		GlobalFiler™				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
7QQ82P - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
7X8FR8 - 5842		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
7Y6QMA - 5840		NGM SElect Express				
	14,15	17,25	11,11.3	16,18		
2		13,14	13,13	17,19		12,14
	15,16	12,14	30.2,30.2	12,15	X,X	
	20.2,25			26.2,28.2	6,9.3	
	15,17					
88CD7F - 5840		PowerPlex® Fusion				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					

TABLE 1

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

89ZZ8G - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
8ADT3J - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
8E638B - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
8FMAV2 - 5842		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
8M6HJX - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
8NY28X - 5842		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
949ECV - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

94BP3D - 5840		PowerPlex® Fusion				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
99ZNGM - 5840		GlobalFiler™ Express PCR Amplification Kit				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17	-			-	
9MJYZP - 5840		GlobalFiler™				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
9T7EF3 - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
9TP3XX - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
A46WLG - 5841		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
AAAAAL - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					



TABLE 1

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

Item 2 - STR Results

AUTEUP - 5842		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
AXFWCA - 5842		Identifiler® Plus				
2		17,25		16,18	11,13	
	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
AZ3B2K - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
B6AGUV - 5841		GlobalFiler™ Direct				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
BCQYAP - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
BDMDWG - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
BEKNRK - 5842		GlobalFiler™ GF Express (RapidHIT)				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

BGYZ9E - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
BTKR8P - 5840		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
BZWXVF - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
C6TAZ6 - 5841		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
C99YMG - 5840		GlobalFiler™ Express PCR Amplification Kit				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17	-			-	
CAH2HT - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
CHYZ3C - 5840		PowerPlex® Fusion5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					

TABLE 1

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

CTDU3Q - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
CU73A3 - 5840	PowerPlex® 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
CWD7EC - 5840	GlobalFiler™					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
D2MJGP - 5840	GlobalFiler™					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
DBDRU7 - 5840	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
DHB8XT - 5841	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	NR	NR	NR		
DKZ3B9 - 5842	Identifiler® Plus					
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					

TABLE 1

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

DW6ZXZ - 5840	PowerPlex® Fusion 5C	14,15	17,25	11,11.3	16,18	11,13	
2		8,8	13,14	13,13	17,19	11,13	12,14
		15,16	12,14	30.2,30.2	12,15	X,X	11,12
		20.2,25	11,12	11,11		6,9.3	8,8
		15,17					
DWD36F - 5842	GlobalFiler™ Express	14,15	17,25	11,11.3	16,18	11,13	
2		8	13,14	13	17,19	11,13	12,14
		15,16	12,14	30.2	12,15	X	11,12
		20.2,25			26.2,28.2	6,9.3	8
		15,17					
DXKK2Q - 5842	GlobalFiler™ Express	14,15	17,25	11,11.3	16,18	11,13	
2		8	13,14	13	17,19	11,13	12,14
		15,16	12,14	30.2	12,15	X	11,12
		20.2,25			26.2,28.2	6,9.3	8
		15,17					
DXM8KP - 5840	GlobalFiler™	14,15	17,25	11,11.3	16,18	11,13	
2		8	13,14	13	17,19	11,13	12,14
		15,16	12,14	30.2	12,15	X	11,12
		20.2,25			26.2,28.2	6,9.3	8
		15,17					
DYFK7A - 5840	GlobalFiler™ Express	14,15	17,25	11,11.3	16,18	11,13	
2		8,8	13,14	13,13	17,19	11,13	12,14
		15,16	12,14	30.2,30.2	12,15	X,X	11,12
		20.2,25			26.2,28.2	6,9.3	8,8
		15,17					
EAAEVC - 5840	GlobalFiler™ Express	14,15	17,25	11,11.3	16,18	11,13	
2		8,8	13,14	13,13	17,19	11,13	12,14
		15,16	12,14	30.2,30.2	12,15	X,X	11,12
		20.2,25			26.2,28.2	6,9.3	8,8
		15,17					
EDAPRC - 5840	GlobalFiler™ Express	14,15	17,25	11,11.3	16,18	11,13	
2		8,8	13,14	13,13	17,19	11,13	12,14
		15,16	12,14	30.2,30.2	12,15	X,X	11,12
		20.2,25			26.2,28.2	6,9.3	8,8
		15,17					

TABLE 1

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

EEC4P7 - 5840	GlobalFiler™					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
EHPZ3U - 5841	PowerPlex® 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	NR	NR	NR		
FJHTDR - 5841	GlobalFiler™					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
FN969N - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
G34N3W - 5840	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
GAMRAY - 5840	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
GHEMBN - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

GHMXH9 - 5840		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
GTHD2H - 5840		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
GV2ZKC - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
GWGPXH - 5840		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
H9JNXZ - 5841		GlobalFiler™				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
HNXFVL - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
HU8C3G - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

J22FA4 - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
JBBQV2 - 5840		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
K3F9UX - 5840		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17	NR				
K4QPWW - 5842		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17	NR				
KKAFXH - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
KMFHJT - 5840		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
KP6ATX - 5842		Identifiler® Plus				
2		17,25		16,18	11,13	
	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					

TABLE 1

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

KRU4MX - 5840	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
KUMCZ3 - 5840	PowerPlex® 21					
	14,15	17,25		16,18	11,13	11,17
2	8,8	13,14		17,19	11,13	12,14
	15,16	12,14	30.2,30.2		X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
L2F4JG - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
LAKT2Y - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
LPNFP3 - 5840	PowerPlex® 21					
	14,15	17,25		16,18	11,13	11,17
2	8,8	13,14		17,19	11,13	12,14
	15,16	12,14	30.2,30.2		X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
LUWXMA - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
M3Q76F - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					



TABLE 1

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

MAQQ8B - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
MDQU2J - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
N9PCY9 - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
NAHK96 - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
NER2GT - 5840		Investigator® 24plex GO!				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
NEUQLQ - 5840		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
NN333U - 5840		Investigator® 24plex GO!				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

NNHEKY - 5841	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
NX44EL - 5842	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
PDXVF - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
PDZ33V - 5840	GlobalFiler™ Express, GlobalFiler					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
PKXRLK - 5840	Investigator® 24plex GO!					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
PMPBPQ - 5841	GlobalFiler™					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17	NR			NR	
PQK3TG - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

PY3W4X - 5840		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
QAGDBV - 5840		GlobalFiler™				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
QF4978 - 5840		Investigator® 24plex GO				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
QFZDA3 - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
QL7EKB - 5840		PowerPlex® Fusion				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
QMKDPE - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
QNBJ66 - 5842		PowerPlex® Fusion, VeriFiler Express, SureID 27comp, HDplex, ForenSeq DNA Signature Prep				
2	14,15	17,25	11,11.3	16,18	11,13	11,17
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					

TABLE 1

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

QPMNQ2 - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
QWK2JW - 5840						
2	14,15	17,25		16,18	11,13	11,17
	8,8	13,14		17,19	11,13	12,14
	15,16	12,14	30.2,30.2		X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
R6UWW3 - 5840		GlobalFiler™ Express PCR Amplification Kit				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17	-			-	
R9UY3R - 5842		Identifiler® Plus				
2		17,25		16,18	11,13	
	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
RBKMFx - 5841		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
RFE243 - 5840		VERIFILER Plus				
2	14,15	17,25	11,11.3	16,18	11,13	11,17
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
RG6T7D - 5842		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	NR
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	NR	NR	NR	NR	

TABLE 1

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

RH4UEP - 5841	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
RN8X6N - 5841	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
RQY7HT - 5842	Identifiler® Plus					
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
RTYAVE - 5842	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	NR	NR	NR		
RXV48G - 5842	PowerPlex® Fusion 6C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
T3LEFY - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
T4VJUM - 5840	PowerPlex® Fusion 5C					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					

TABLE 1

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

T6UAYP - 5842		Identifiler® Plus				
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
T76YH2 - 5840		VERIFILER Plus				
	14,15	17,25	11,11.3	16,18	11,13	11,17
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,Y	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
TKN8AD - 5842		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	no results	no results	no results		
TR28JV - 5840		GlobalFiler™ Express, GlobalFiler				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
TTZTAN - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
TURUC6 - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
TVP689 - 5842		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					

TABLE 1

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

TWHTP4 - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
U26PH6 - 5840		GlobalFiler™				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
UA66CH - 5842		Identifiler®, PowerPlex® 16, PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	0	0	0		
UGJ9N7 - 5842		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
UGLXT4 - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
V3FR44 - 5840		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	XX	11,12
	20.2,25	11,12	11,11	26.2,28.2	6,9.3	8,8
	15,17					
V3ZZ6E - 5842		PowerPlex® Fusion 6C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

V86EQV - 5840		GlobalFiler™ Express, GlobalFiler				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
V93AB7 - 5840		Investigator® 24plex GO!				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
V99RPQ - 5840		PowerPlex® 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
VFJPYA - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
VFLDH9 - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
VKVTPC - 5842		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17					
VNEDPR - 5840		GlobalFiler™				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					



TABLE 1

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

W7EXAF - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
WREMWM - 5840		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
WTL7BA - 5842		PowerPlex® Fusion 6C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11	26.2,28.2	6,9.3	8
	15,17	no results	no results	no results		
WV9ULP - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
WYWVRBN - 5842		Identifiler® Plus				
		17,25		16,18	11,13	
2	8	13,14			11,13	12,14
	15,16	12,14	30.2		X	11,12
	20.2,25				6,9.3	8
	15,17					
X2E97D - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
X3PBRC - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					

TABLE 1

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

XAN3AY - 5840		GlobalFiler™				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
XBJZAT - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
XMU9CL - 5841		GlobalFiler™				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
XNPC3U - 5842		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
XPYXEU - 5840		GlobalFiler™ Express				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
XT4DGR - 5840		PowerPlex® Fusion 5C				
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
XV7RQX - 5840		GlobalFiler™ Express PCR Amplification Kit				
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17	-			-	

TABLE 1

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

Y28ZFH - 5840		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
Y6WQ24 - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
YBFJY2 - 5840		PowerPlex® Fusion				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25	11,12	11		6,9.3	8
	15,17					
YJBXUU - 5840		GlobalFiler™ Express PCR Amplification Kit				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17	-			-	
YMQLC7 - 5842		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
YX8PJH - 5840		PowerPlex® Fusion 5C				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
ZERXUL - 5840		GlobalFiler™ Express				
2	14,15	17,25	11,11.3	16,18	11,13	
	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					

TABLE 1

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

ZTAB8Z - 5842	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8	13,14	13	17,19	11,13	12,14
	15,16	12,14	30.2	12,15	X	11,12
	20.2,25			26.2,28.2	6,9.3	8
	15,17					
ZTCZBW - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					
ZV2V8J - 5840	PowerPlex® Fusion					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25	11,12	11,11		6,9.3	8,8
	15,17					
ZX88YT - 5840	GlobalFiler™ Express					
	14,15	17,25	11,11.3	16,18	11,13	
2	8,8	13,14	13,13	17,19	11,13	12,14
	15,16	12,14	30.2,30.2	12,15	X,X	11,12
	20.2,25			26.2,28.2	6,9.3	8,8
	15,17					

TABLE 1

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

23UC8M - 5841		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
294XFD - 5842		PowerPlex® Fusion				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
297MJB - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
2E8GEH - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
2F26WE - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
2FH227 - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
2M2L8J - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

2NXKJK - 5842	Identifiler® Plus					
		18,25		15,16	10,13	
3	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
2WUQP - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
384EQG - 5842	Identifiler® Plus					
		18,25		15,16	10,13	
3	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
39ZTDA - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
3BRUEQ - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
3L9KYU - 5840	GlobalFiler™ Express PCR Amplification Kit					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
3MGNQK - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

3PAGQA - 5842	Identifiler® Plus					
		18,25		15,16	10,13	
3	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
3ZQVHW - 5840	PowerPlex® Fusion 6C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
46DF7R - 5840	GlobalFiler™ Express PCR Amplification Kit					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
46ZAZV - 5842	PowerPlex® Fusion 6C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
47UFZL - 5841	PowerPlex® Fusion 5C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
4D8L4Y - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
4NTBXJ - 5840	PowerPlex® Fusion					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				

TABLE 1

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

638A9W - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
64JLVL - 5840		PowerPlex® Fusion 5C, GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10			2	
67L6TZ - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
6J9G3P - 5842		GlobalFiler™ Express				
3	14,15	18,25	9.1,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
6JB77L - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
6LEEFJ - 5841		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
6RPQT8 - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	



TABLE 1

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

6VA7DD - 5840		PowerPlex® 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
6XTYQM - 5840		VERIFILER Plus				
3	14,15	18,25	9,11.3	15,16	10,13	14,14
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17				2	
6ZJXBC - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
73HTA7 - 5842		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
76ARN4 - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
78EUEL - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
7F64UP - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

7HB3TH - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
7HDQCG - 5841		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
7PGKKG - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
7QQ82P - 5842		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
7X8FR8 - 5842		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
7Y6QMA - 5840		NGM SElect Express				
3	14,15	18,25	9,11.3	15,16		
		13,14	13,14	18,19		10,13
	14,17	14,14	28,31.2	15,16	X,Y	
	19,21			27.2,30.2	9,9.3	
	16,17					
88CD7F - 5840		PowerPlex® Fusion				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				

TABLE 1

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

89ZZ8G - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
8ADT3J - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
8E638B - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
8FMAV2 - 5842	PowerPlex® Fusion 6C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
8M6HJX - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
8NY28X - 5842	PowerPlex® Fusion 5C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
949ECV - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

94BP3D - 5840	PowerPlex® Fusion					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
99ZNGM - 5840	GlobalFiler™ Express PCR Amplification Kit					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
9MJYZP - 5840	GlobalFiler™					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
9T7EF3 - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
9TP3XX - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
A46WLG - 5841	PowerPlex® Fusion 5C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
AAAAAL - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

AUTEUP - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
AXFWCA - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
AZ3B2K - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
B6AGUV - 5841		GlobalFiler™ Direct				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
BCQYAP - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
BDMDWG - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
BEKNRK - 5842		GlobalFiler™, GlobalFiler Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

BGYZ9E - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
BTKR8P - 5840		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
BZWXVF - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
C6TAZ6 - 5841		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
C99YMG - 5840		GlobalFiler™ Express PCR Amplification Kit				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
CAH2HT - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
CHYZ3C - 5840		PowerPlex® Fusion5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				

TABLE 1

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

CTDU3Q - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
CU73A3 - 5840		PowerPlex® 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
CWD7EC - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
D2MJGP - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
DBDRU7 - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
DHB8XT - 5841		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
DKZ3B9 - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					

TABLE 1

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

DW6ZXZ - 5840	PowerPlex® Fusion 5C					
		14,15	18,25	9,11.3	15,16	10,13
3		10,10	13,14	13,14	18,19	11,12 10,13
		14,17	14,14	28,31.2	15,16	X,Y 12,12
		19,21	2.2,10	7,15		9,9.3 8,9
		16,17	10,10			
DWD36F - 5842	GlobalFiler™ Express, RAPID HIT					
		14,15	18,25	9,11.3	15,16	10,13
3		10	13,14	13,14	18,19	11,12 10,13
		14,17	14	28,31.2	15,16	X,Y 12
		19,21			27.2,30.2	9,9.3 8,9
		16,17	10			2
DXKK2Q - 5842	GlobalFiler™ Express					
		14,15	18,25	9,11.3	15,16	10,13
3		10	13,14	13,14	18,19	11,12 10,13
		14,17	14	28,31.2	15,16	X,Y 12
		19,21			27.2,30.2	9,9.3 8,9
		16,17	10			2
DXM8KP - 5840	GlobalFiler™					
		14,15	18,25	9,11.3	15,16	10,13
3		10	13,14	13,14	18,19	11,12 10,13
		14,17	14	28,31.2	15,16	X,Y 12
		19,21			27.2,30.2	9,9.3 8,9
		16,17	10			2
DYFK7A - 5840	GlobalFiler™ Express					
		14,15	18,25	9,11.3	15,16	10,13
3		10,10	13,14	13,14	18,19	11,12 10,13
		14,17	14,14	28,31.2	15,16	X,Y 12,12
		19,21			27.2,30.2	9,9.3 8,9
		16,17	10			2
EAAEVC - 5840	GlobalFiler™ Express					
		14,15	18,25	9,11.3	15,16	10,13
3		10,10	13,14	13,14	18,19	11,12 10,13
		14,17	14,14	28,31.2	15,16	X,Y 12,12
		19,21			27.2,30.2	9,9.3 8,9
		16,17	10			2
EDAPRC - 5840	GlobalFiler™ Express					
		14,15	18,25	9,11.3	15,16	10,13
3		10,10	13,14	13,14	18,19	11,12 10,13
		14,17	14,14	28,31.2	15,16	X,Y 12,12
		19,21			27.2,30.2	9,9.3 8,9
		16,17	10			2



TABLE 1

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

EEC4P7 - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
EHPZ3U - 5841		PowerPlex® 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
FJHTDR - 5841		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
FN969N - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
G34N3W - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
GAMRAY - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
GHEMBN - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

GHMXH9 - 5840		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
GTHD2H - 5840		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
GV2ZKC - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
GWGPXH - 5840		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
H9JNXZ - 5841		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
HNXFVL - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
HU8C3G - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

J22FA4 - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
JBBQV2 - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
K3F9UX - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
K4QPWW - 5842		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
KKAFXH - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
KMFHJT - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
KP6ATX - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					

TABLE 1

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

KRU4MX - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
KUMCZ3 - 5840		PowerPlex® 21				
3	14,15	18,25		15,16	10,13	14,14
	10,10	13,14		18,19	11,12	10,13
	14,17	14,14	28,31.2		X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17					
L2F4JG - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
LAKT2Y - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
LPNFP3 - 5840		PowerPlex® 21				
3	14,15	18,25		15,16	10,13	14,14
	10,10	13,14		18,19	11,12	10,13
	14,17	14,14	28,31.2		X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17					
LUWXMA - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
M3Q76F - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

MAQQ8B - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
MDQU2J - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
N9PCY9 - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
NAHK96 - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
NER2GT - 5840		Investigator® 24plex GO!				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
NEUQLQ - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
NN333U - 5840		Investigator® 24plex GO!				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				

TABLE 1

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

NNHEKY - 5841		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
NX44EL - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
PDXVVF - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
PDZ33V - 5840		GlobalFiler™ Express, GlobalFiler				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
PKXRLK - 5840		Investigator® 24plex GO!				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
PMPBPQ - 5841		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
PQK3TG - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

PY3W4X - 5840		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
QAGDBV - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
QF4978 - 5840		Investigator® 24plex GO				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
QFZDA3 - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
QL7EKB - 5840		PowerPlex® Fusion				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
QMKDPE - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
QNBj66 - 5842		PowerPlex® Fusion, VeriFiler Express, SureID 27comp, HDplex, ForenSeq DNA Signature Prep				
3	14,15	18,25	9,11.3	15,16	10,13	14,14
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18	2	

TABLE 1

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

QPMNQ2 - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
QWK2JW - 5840						
3	14,15	18,25		15,16	10,13	14,14
	10,10	13,14		18,19	11,12	10,13
	14,17	14,14	28,31.2		X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17					
R6UWW3 - 5840		GlobalFiler™ Express PCR Amplification Kit				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
R9UY3R - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
RBKMFx - 5841		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
RFE243 - 5840		VERIFILER Plus				
3	14,15	18,25	9,11.3	15,16	10,13	14,14
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17				2	
RG6T7D - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	NR
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18	NR	



TABLE 1

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

RH4UEP - 5841		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
RN8X6N - 5841		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
RQY7HT - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
RTYAVE - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
RXV48G - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
T3LEFY - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
T4VJUM - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				

TABLE 1

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

T6UAYP - 5842		Identifiler® Plus				
		18,25		15,16	10,13	
3	10	13,14			11,12	10,13
		14,17	14	28,31.2	X,Y	12
		19,21			9,9.3	8,9
		16,17				
T76YH2 - 5840		VERIFILER Plus				
		14,15	18,25	9,11.3	15,16	10,13
3	10,10	13,14	13,14	18,19	11,12	10,13
		14,17	14,14	28,31.2	15,16	X,Y
		19,21	2.2,10	7,15	9,9.3	8,9
		16,17			2	
TKN8AD - 5842		PowerPlex® Fusion 6C				
		14,15	18,25	9,11.3	15,16	10,13
3	10	13,14	13,14	18,19	11,12	10,13
		14,17	14	28,31.2	15,16	X,Y
		19,21	2.2,10	7,15	27.2,30.2	9,9.3
		16,17	10	18	18	
TR28JV - 5840		GlobalFiler™ Express, GlobalFiler				
		14,15	18,25	9,11.3	15,16	10,13
3	10,10	13,14	13,14	18,19	11,12	10,13
		14,17	14,14	28,31.2	15,16	X,Y
		19,21			27.2,30.2	9,9.3
		16,17	10		2	
TTZTAN - 5842		GlobalFiler™ Express				
		14,15	18,25	9,11.3	15,16	10,13
3	10	13,14	13,14	18,19	11,12	10,13
		14,17	14	28,31.2	15,16	X,Y
		19,21			27.2,30.2	9,9.3
		16,17	10		2	
TURUC6 - 5840		GlobalFiler™ Express				
		14,15	18,25	9,11.3	15,16	10,13
3	10,10	13,14	13,14	18,19	11,12	10,13
		14,17	14,14	28,31.2	15,16	X,Y
		19,21			27.2,30.2	9,9.3
		16,17	10		2	
TVP689 - 5842		PowerPlex® Fusion 6C				
		14,15	18,25	9,11.3	15,16	10,13
3	10,10	13,14	13,14	18,19	11,12	10,13
		14,17	14,14	28,31.2	15,16	X,Y
		19,21	2.2,10	7,15	27.2,30.2	9,9.3
		16,17	10	18	18	

TABLE 1

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

TWHTP4 - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,1,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
U26PH6 - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
UA66CH - 5842		Identifiler®, PowerPlex® 16, PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
UGJ9N7 - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
UGLXT4 - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
V3FR44 - 5840		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
V3ZZ6E - 5842						
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		

TABLE 1

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

V86EQV - 5840		GlobalFiler™ Express, GlobalFiler				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
V93AB7 - 5840		Investigator® 24plex GO!				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10				
V99RPQ - 5840		PowerPlex® 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
VFJPYA - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
VFLDH9 - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
VKVTPC - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
VNEDPR - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

W7EXAF - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
WREMWM - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
WTL7BA - 5842		PowerPlex® Fusion 6C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15	27.2,30.2	9,9.3	8,9
	16,17	10	18	18		
WV9ULP - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
WYWVRBN - 5842		Identifiler® Plus				
3		18,25		15,16	10,13	
	10	13,14			11,12	10,13
	14,17	14	28,31.2		X,Y	12
	19,21				9,9.3	8,9
	16,17					
X2E97D - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
X3PBRC - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

XAN3AY - 5840		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
XBJZAT - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
XMU9CL - 5841		GlobalFiler™				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
XNPC3U - 5842		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
XPYXEU - 5840		GlobalFiler™ Express				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
XT4DGR - 5840		PowerPlex® Fusion 5C				
3	14,15	18,25	9,11.3	15,16	10,13	
	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
XV7RQX - 5840		GlobalFiler™ Express PCR Amplification Kit				
3	14,15	18,25	9,11.3	15,16	10,13	
	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

Y28ZFH - 5840	PowerPlex® Fusion 5C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
Y6WQ24 - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
YBFJY2 - 5840	PowerPlex® Fusion					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
YJBXUU - 5840	GlobalFiler™ Express PCR Amplification Kit					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
YMQLC7 - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
YX8PJH - 5840	PowerPlex® Fusion 5C					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10,10				
ZERXUL - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	

TABLE 1

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

ZTAB8Z - 5842	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10	13,14	13,14	18,19	11,12	10,13
	14,17	14	28,31.2	15,16	X,Y	12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
ZTCZBW - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	
ZV2V8J - 5840	PowerPlex® Fusion					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21	2.2,10	7,15		9,9.3	8,9
	16,17	10				
ZX88YT - 5840	GlobalFiler™ Express					
	14,15	18,25	9,11.3	15,16	10,13	
3	10,10	13,14	13,14	18,19	11,12	10,13
	14,17	14,14	28,31.2	15,16	X,Y	12,12
	19,21			27.2,30.2	9,9.3	8,9
	16,17	10			2	



# YSTR Amplification Kit(s) & Results

TABLE 2

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

## Item 1 - YSTR Results

294XFD - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
297MJB - 5840		Yfiler® Plus							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
2E8GEH - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		
							23		11
39ZTDA - 5840		Yfiler® Plus							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
3L9KYU - 5840		Yfiler® Plus PCR Amplification Kit							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
46DF7R - 5840		Yfiler® Plus PCR Amplification Kit							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
46ZAZV - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
47UFZL - 5841		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
4NTBXJ - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		
							23		11
64JLVL - 5840		Yfiler® Plus, PowerPlex® Y 23							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12	12	17	19	23	23	10	11
6J9G3P - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11

TABLE 2

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

Item 1 - YSTR Results

6QV3AB - 5842	PowerPlex® Y 23								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17		22	
	12	12	17	19		23	10	11	
76ARN4 - 5842	PowerPlex® Y 23								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17		22	
	12	12	17	19		23	10	11	
78EUEL - 5840	Yfiler®								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17			
						23		11	
7X8FR8 - 5842	PowerPlex® Y 23								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17		22	
	12	12	17	19		23	10	11	
88CD7F - 5840	Yfiler®								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17			
						23		11	
8E638B - 5840	Yfiler®								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17			
						23		11	
8FMAV2 - 5842	PowerPlex® Y 23								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17		22	
	12	12	17	19		23	10	11	
94BP3D - 5840	Yfiler®								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17			
						23		11	
99ZNGM - 5840	Yfiler® Plus PCR Amplification Kit								
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
9T7EF3 - 5840	Yfiler® Plus								
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
BEKNRK - 5842	PowerPlex® Y 23								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17		22	
	12	12	17	19		23	10	11	
C6TAZ6 - 5841	PowerPlex® Y 23								
1	14	11,14	13	29	25	10	13	13	
	14	12	12	19	15	17		22	
	12	12	17	19		23	10	11	

TABLE 2

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

Item 1 - YSTR Results

C99YMG - 5840		Yfiler® Plus PCR Amplification Kit							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
CU73A3 - 5840		PowerPlex® Y 23							
1		14,14	11,14	13,13	29,29	25,25	10,10	13,13	13,13
		14,14	12,12	12,12	19,19	15,15	17,17		22,22
		12,12	12,12	17,17	19,19		23,23	10,10	11,11
DWD36F - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
		14	12	12	19	15	17		22
		12	12	17	19		23	10	11
EDAPRC - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
		14	12	12	19	15	17		
							23		11
EHPZ3U - 5841		Yfiler® Plus							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
FHLFPY - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
		14	12	12	19	15	17		22
		12	12	17	19		23	10	11
K3F9UX - 5840									
1							10		
K4QPWW - 5842		Yfiler®, PowerPlex® Fusion 5C							
1		14	11,14	13	29	25	10	13	13
		14	12	12	19	15	17		
							23		11
KMFHJT - 5840		PowerPlex® Y 23							
1		14,14	11,14	13,13	29,29	25,25	10,10	13,13	13,13
		14,14	12,12	12,12	19,19	15,15	17,17		22,22
		12,12	12,12	17,17	19,19		23,23	10,10	11,11
NAHK96 - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
		14	12	12	19	15	17		
							23		11
PMPBPQ - 5841		Yfiler®							
1		14	11,14	13	29	25	10	13	13
		14	12	12	19	15	17		
							23		11
QF4978 - 5840		Yfiler® Plus							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11

TABLE 2

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

Item 1 - YSTR Results

QNBJ66 - 5842		Yfiler® Plus, ForenSeq DNA Signature Prep							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12	12	17	19	23	23	10	11
QPMNQ2 - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		
							23		11
R6UWW3 - 5840		Yfiler® Plus PCR Amplification Kit							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
RBKMFY - 5841		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
RXV48G - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
TKN8AD - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
UA66CH - 5842		Yfiler®							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		
							23		11
VZ7CLJ - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
W7EXAF - 5840		Yfiler® Plus							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
XBGQGG - 5842		PowerPlex® Y 23							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		22
		12	12	17	19		23	10	11
XPYXEU - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		
							23		11
XV7RQX - 5840		Yfiler® Plus PCR Amplification Kit							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11

TABLE 2

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

Item 1 - YSTR Results

YBFJY2 - 5840		Yfiler®							
1		14	11,14	13	29	25	10	13	13
	14	12	12	19		15	17		
							23		11
YJBXUU - 5840		Yfiler® Plus PCR Amplification Kit							
1	35,37	14	11,14	13	29	25	10	13	13
	14	12	12	19	27	15	17	11	22
	38	12		17	19	23	23		11
YX8PJH - 5840		PowerPlex® Y 23							
1		14,14	11,14	13,13	29,29	25,25	10,10	13,13	13,13
	14,14	12,12	12,12	19,19		15,15	17,17		22,22
		12,12	12,12	17,17	19,19		23,23	10,10	11,11

TABLE 2

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

Item 3 - YSTR Results

294XFD - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		33,34,35
		12	11	18	18		22	12	11
297MJB - 5840		Yfiler® Plus							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	
	37	12		18	18	21	22		11
2E8GEH - 5840		Yfiler®							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		
							22		11
39ZTDA - 5840		Yfiler® Plus							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	
	37	12		18	18	21	22		11
3L9KYU - 5840		Yfiler® Plus PCR Amplification Kit							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	34
	37	12		18	18	21	22		11
46DF7R - 5840		Yfiler® Plus PCR Amplification Kit							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	34
	37	12		18	18	21	22		11
46ZAZV - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
47UFZL - 5841		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
4NTBXJ - 5840		Yfiler®							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		
							22		11
64JLVL - 5840		Yfiler® Plus, PowerPlex® Y 23							
3	37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	
	37	12	11	18	18	21	22	12	11
6QV3AB - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		33,34,35
		12	11	18	18		22	12	11
76ARN4 - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11

TABLE 2

WebCode - Test		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 3 - YSTR Results</b>									
78EUEL - 5840	Yfiler®								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		
						22			11
7X8FR8 - 5842	PowerPlex® Y 23								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		33,34,35
		12	11	18	18		22	12	11
88CD7F - 5840	Yfiler®								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		
						22			11
8E638B - 5840	Yfiler®								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		
						22			11
8FMAV2 - 5842	PowerPlex® Y 23								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		
		12	<7,11	18	18		22	12	11
94BP3D - 5840	Yfiler®								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		
						22			11
99ZNGM - 5840	Yfiler® Plus PCR Amplification Kit								
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	34
	37	12		18	18	21	22		11
9T7EF3 - 5840	Yfiler® Plus								
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	
	37	12		18	18	21	22		11
BEKNRK - 5842	PowerPlex® Y 23								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
C6TAZ6 - 5841	PowerPlex® Y 23								
3	16	14,18	13	29	23	10	11	14	
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
C99YMG - 5840	Yfiler® Plus PCR Amplification Kit								
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	34
	37	12		18	18	21	22		11
CU73A3 - 5840	PowerPlex® Y 23								
3	16,16	14,18	13,13	29,29	23,23	10,10	11,11	14,14	
	14,14	9,9	13,13	18,18		15,15	16,16		>32,>32
		12,12	11,11	18,18	18,18		22,22	12,12	11,11

TABLE 2

WebCode - Test		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
<b>Item 3 - YSTR Results</b>										
EDAPRC - 5840	Yfiler®									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18		15	16			
							22		11	
EHPZ3U - 5841	Yfiler® Plus									
3	37	16	14,18	13	29	23	10	11	14	
	14	9	13	18	32	15	16	10	>32	
	37	12		18	18	21	22		11	
FHLFPY - 5842	PowerPlex® Y 23									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18		15	16		33,34,35	
		12	11	18	18		22	12	11	
K3F9UX - 5840										
3							10			
K4QPWW - 5842	Yfiler®, PowerPlex® Fusion 5C									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18		15	16			
							22	11		
KMFHJT - 5840	PowerPlex® Y 23									
3	16,16	14,18	13,13	29,29	23,23	10,10	11,11	14,14		
	14,14	9,9	13,13	18,18		15,15	16,16		>32,>32	
		12,12	11,11	18,18	18,18		22,22	12,12	11,11	
NAHK96 - 5840	Yfiler®									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18		15	16			
							22	11		
PMPBPQ - 5841	Yfiler®									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18		15	16			
							22	11		
QF4978 - 5840	Yfiler® Plus									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18	32	15	16	10		
	37	12		18	18	21	22		11	
QNBJ66 - 5842	Yfiler® Plus, ForenSeq DNA Signature Prep									
3	37	16	14,18	13	29	23	10	11	14	
	14	9	13	18	32	15	16	10	35	
	37	12	11	18	18	21	22	12	11	
QPMNQ2 - 5840	Yfiler®									
3	16	14,18	13	29	23	10	11	14		
	14	9	13	18		15	16			
							22	11		
R6UWW3 - 5840	Yfiler® Plus PCR Amplification Kit									
3	29,37	16	14,18	13	29	23	10	11	14	
	14	9	13	18	32	15	16	10	34	
	37	12		18	18	21	22		11	



TABLE 2

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

Item 3 - YSTR Results

RBKMFY - 5841		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
RXV48G - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
TKN8AD - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		>32
		12	11	18	18		22	12	11
UA66CH - 5842		Yfiler®							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		
							22		11
VZ7CLJ - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		33,34,35
		12	11	18	18		22	12	11
W7EXAF - 5840		Yfiler® Plus							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	
	37	12		18	18	21	22		11
XBGQGG - 5842		PowerPlex® Y 23							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		33,34,35
		12	11	18	18		22	12	11
XPYXEU - 5840		Yfiler®							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		
							22		11
XV7RQX - 5840		Yfiler® Plus PCR Amplification Kit							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	34
	37	12		18	18	21	22		11
YBFJY2 - 5840		Yfiler®							
3		16	14,18	13	29	23	10	11	14
	14	9	13	18		15	16		
							22		11
YJBXUU - 5840		Yfiler® Plus PCR Amplification Kit							
3	29,37	16	14,18	13	29	23	10	11	14
	14	9	13	18	32	15	16	10	34
	37	12		18	18	21	22		11
YX8PJH - 5840		PowerPlex® Y 23							
3		16,16	14,18	13,13	29,29	23,23	10,10	11,11	14,14
	14,14	9,9	13,13	18,18		15,15	16,16		>32,>32
		12,12	11,11	18,18	18,18		22,22	12,12	11,11

## Additional DNA Results

TABLE 3

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

<b>Locus</b>	<b>WebCode - Test</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>
D11S2368	QNBj66 - 5842	18,21	20,21	19,21
D13S325	QNBj66 - 5842	19,19	22,22	19,20
D14S1434	QNBj66 - 5842	13,13	11,14	10,11
D15S659	QNBj66 - 5842	12,17	12,13	11,16
D17S1301	QNBj66 - 5842	12,12	11,11	12,12
D18S1364	QNBj66 - 5842	13,16	14,15	12,19
D19S253	QNBj66 - 5842	12,12	7,12	7,12
D20S482	QNBj66 - 5842	14,16	14,14	13,14
D21S2055	QNBj66 - 5842	19.1,24	19.1,26	19.1,25
D22-GATA198B05	QNBj66 - 5842	16,18	16,17	18,21
D3S1744	QNBj66 - 5842	16,17	17,18	17,19
D4S2366	QNBj66 - 5842	9,13	9,11	11,12
D5S2800	QNBj66 - 5842	17,20	14,18	17,18
D6S474	QNBj66 - 5842	17,17	17,18	15,15
D7S3048	QNBj66 - 5842	23,24	19,25	22,23
D8S1132	QNBj66 - 5842	20,22	18,22	22,24
D9S1122	QNBj66 - 5842	11,13	12,13	12,12

# Additional Comments

## TABLE 4

WebCode - Test	Additional Comments
23UC8M - 5841	Blank spaces in the STR results table indicate that results were not obtained at that locus. The Y Indel is not analyzed by the database laboratory/therefore, Y indel is also left blank.
39ZTDA - 5840	Note: Possible Null Allele at DYS481 for Item#3
3BRUEQ - 5842	Samples DBS1-1 and DBS1-2 were run using GlobalFiler Express direct amplification protocol and analyzed on 3500xl capillary electrophoresis instrument. Sample DBS1-3 was run using automated extraction, amplification with GlobalFiler Express, separation and detection using Rapid HIT instrumentation. Manual interpretation was performed, therefore, this process is considered modified Rapid DNA analysis.
3L9KYU - 5840	Item3 : For Y-STR testing at DYS481 allele 34 that be found by calculation
3MGNQK - 5842	Item 3 analyzed using a modified RapidHit protocol per the Forensic Biology section standard operating procedure. Item 2 was selected for extraction, quantification, amplification, and analysis using GlobalFiler reagents. The final profile for item 3 was generated and is concordant to the original generated profile.
46DF7R - 5840	Item3 : For Y-STR testing at DYS481 allele 34 that be found by calculation
46ZAZV - 5842	Items 1-3 were tested and charted using the PCR-based Promega Powerplex Fusion 6C System. Items 1 and 3 were also tested and charted using the PCR-based Promega Powerplex Fusion Y23 System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
638A9W - 5842	Item 1 and Item 2 ran using GlobalFiler Express with laboratory database SOP; Item 3 ran using RapidHIT GFE
64JLVL - 5840	Regarding the results obtained for ITEM 3, we have identified an "off marker" allele at Locus DYS481 as allele 35 with PP PROMEGA Y23 and YFILER PLUS Kits. Our Internal Method does not allow to attribute a specific call at an "out of bin" and/or "off marker" allele without direct sequencing step. Therefore we decide to not assign the call "35" at DYS481 Locus.
6J9G3P - 5842	Item 1 was processed using EZ1 Investigator Kit and amplified with GlobalFiler and PPY23. Item 2 was processed via direct amplification with GlobalFiler Express. Item 3 was processed via modified RapidHIT with GlobalFiler Express.
6JB77L - 5842	Item 1- imbalance noted at Amel for X and Y. Y/X ratio ~34%. Item 1 - n-12 kit artifact struck at TH01, per lab SOP.
6LEEFJ - 5841	The Y indel is not analyzed by the database laboratory; therefore, Y indel results are not reported.
6VA7DD - 5840	NR = No Result
73HTA7 - 5842	NR = no result
7HDQCG - 5841	Y indel is not analyzed by the database laboratory; therefore, Y indel results are not reported.
7QQ82P - 5842	Item 1 was analyzed with AB RapidHit ID System and manually with GlobalFiler Express kit. Item 2 was analyzed manually with GlobalFiler Express kit and with GlobalFiler kit using lab re-extraction protocol. Item 3 was analyzed with GlobalFiler kit using lab re-extraction protocol.
99ZNGM - 5840	Item3 : For Y-STR testing at DYS481 allele 34 that be found by calculation

TABLE 4

WebCode - Test	Additional Comments
AAAAAL - 5842	DBS1-Item 2 was chosen to be extracted using a GlobalFiler protocol. The sample was extracted using the Qiagen EZ1 instrument and kit. Quantification was performed using the QuantifilerTrio kit and amplification was completed with the GlobalFiler PCR kit. The profile obtained was 100% concordant to the profile obtained from the original GlobalFiler Express protocol. DBS1-Item 3 was chosen to go through modified Rapid DNA analysis. Sample was placed on the RapidHIT instrument using a RapidHIT ID ACE GFE (GlobalFiler Express) sample cartridge.
BEKNRK - 5842	Items 1 and 3 were amplified by GlobalFiler, GlobalFiler Express, and PowerPlex Y23. Item 2 was run on a RapidHIT instrument using an ACE GFE cartridge.
C99YMG - 5840	Item 3 : For Y-Filer TM Plus testing at DYS481 allele 34 that be found by calculation
CAH2HT - 5842	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain an elevated stutter peak which is being reported to the vendor as an additional comment but which has been modeled as stutter probabilistically during interpretation at the following locus: The 12 peak at D10S1248 in item 2.
CU73A3 - 5840	For item 3, the DYS481 locus exhibited a microvariant allele greater than the largest allele on the ladder. The peak was reproducible and assigned as a >32 allele for reporting purposes.
DHB8XT - 5841	NR indicates no results for that locus.
EHPZ3U - 5841	NR = NO RESULTS
GHEMBN - 5842	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contains an elevated stutter peak which is being reported to the vendor as an additional comment but which has been modeled as stutter probabilistically during interpretation at the following locus: Item 3, D21S11, allele 29.
K3F9UX - 5840	NR=No Results
K4QPWW - 5842	Fusion/YFiler testing was performed on Items 1-3. Results were concordant at DYS391 for all tested items. NR = No results obtained
KMFHJT - 5840	For item 3, the DYS481 locus exhibited a microvariant allele greater than the largest allele on the ladder. The peak was reproducible and assigned as a >32 allele for reporting purposes.
NNHEKY - 5841	Y indel is not analyzed by the database laboratory; therefore, Y indel results are not reported.
QNBJ66 - 5842	Item 3 at loci DYS481 an elevated stutter (34) was observed in both the Y Filer Plus and ForenSeq DNA Signature Prep amplification kits.
R6UWW3 - 5840	Item3 : For Y-STR testing at DYS481 allele 34 that be found by calculation
RG6T7D - 5842	Items 1-3 were tested and charted using the PCR-based Promega Powerplex Fusion 6C System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
RTYAVE - 5842	Items 1-3 were tested and charted using the PCR-based Promega Powerplex Fusion 6C System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.

TABLE 4

WebCode - Test	Additional Comments
RXV48G - 5842	outside marker range allele between DYS481 and DYS549 in Item 3 reported as >32 at DYS481 (as opposed to null at DYS481 and duplication at DYS549) but could also be <7 at DYS549
TKN8AD - 5842	Samples labeled Item 1, Item 2, and Item 3 were tested and charted using the PCR-based Promega PowerPlex Fusion 6C System. Sample labeled Item 1 and Item 3 were tested and charted using the PCR-based Promega PowerPlex Y23 System. All evidence will be retained at [Laboratory] until the proficiency test results are confirmed, at which point the evidence will be discarded.
TURUC6 - 5840	Y STRs no attempted
W7EXAF - 5840	Item 3 -DYS481 not reported. Possible artifact observed and a possible OMR observed between DYS481 and DYF387S1.
WTL7BA - 5842	Samples labeled Item 1, Item 2, and Item 3 were tested and charted using the PCR-based Promega PowerPlex Fusion 6C System. All evidence will be retained at [Laboratory] until the proficiency test results are confirmed, at which point the evidence will be discarded.
XV7RQX - 5840	Item3 : For Y-STR testing at DYS481 allele 34 that be found by calculation
YJBXUU - 5840	Item3 : For Y-Filer TM Plus testing at DYS481 allele 34 that be found by calculation
YX8PJH - 5840	For item 3, the DYS481 locus exhibited a microvariant allele greater than the largest allele on the ladder. The peak was reproducible and assigned as a >32 allele for reporting purposes.
ZTAB8Z - 5842	Item 3 was processed on a RapidDNA instrument using a GFE sample cartridge and a modified Rapid protocol.

-End of Report-  
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

**Test No. 23-5840: DNA Database - Saliva**

DATA MUST BE SUBMITTED BY **April 10, 2023, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: WDCFDC

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

**Scenario:**

Three known buccal/saliva standards were collected from identified subjects and are provided to your laboratory for analysis for database purposes. You are requested to perform DNA analyses (STR and YSTR) on these known standards and report the allelic results that would be recorded in the database.

**Items Submitted (Sample Pack DBF1 - FTA™ Indicating Micro Cards):**

- Item 1: Known buccal/saliva standard from Individual 1 (Male)
- Item 2: Known buccal/saliva standard from Individual 2 (Female)
- Item 3: Known buccal/saliva standard from Individual 3 (Male)



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

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

**STR Amplification Kit(s) Used:**

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

Identifiler® 
 GlobalFiler™ 
 Investigator® 24plex 
  
 PowerPlex® 
 Other

Report the Probabilistic Genotyping Software Used (if applicable):

*Alleles below are sorted in Default order.*

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





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

- Use this section to report results for loci not currently listed in other sections of the data sheet.
- Report alleles in numerical order, separated by a comma.
- Click "Add Row" to show another row of boxes for entry.

Locus	Item 1	Item 2	Item 3		

## Part II: ADDITIONAL COMMENTS

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

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

## RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)