



## **DNA Database - Saliva Test No. 26-5840/1/2 Summary Report**

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Each participant received a sample pack consisting of three buccal/saliva standards which they were asked to analyze using their existing protocols. Data were returned from 187 participants: 98 for 26-5840, 36 for 26-5841, and 53 for 26-5842 and are compiled into the following tables:

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

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

## Manufacturer's Information

Each sample pack consisted of a collection of known buccal cells from three individuals. Participants were asked 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. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried into separate envelopes.

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

**VERIFICATION:** Predistribution results were consistent with each other and the manufacturer's preparation information. Consistent allelic results were reported for all STR and YSTR loci across all three substrates.

Item	Sex	Volumes per Substrate ( $\mu\text{L}$ )		
		FTA™ Indicating Micro Cards (5840)	Bode Buccal® DNA Collectors (5841)	Swabs (5842)
1	Female	120	200	125
2	Male	120	200	125
3	Male	120	200	125

## Manufacturer's Information, continued

<b>Amelogenin and STR Results</b>						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	14,18.3	19,22	12,14	16,16	12,13	*
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18	NM	NM	NM	NM	
2	11,16	18,22	11.3,14	14,17	12,12	*
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14	2	
3	11,13	18,20	10,11	14,16	12,12	*
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16	2	

<b>YSTR Results</b>										
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	
2	38,38	15	13,15	12	29	21	10	11	15	
	16	10	13	22	28	15	16	10	21	
	36	10	12	19	14	20	22	12	11	
3	38,38	15	13,14	12	28	22	11	11	13	
	16	10	11	20	28	14	16	10	25	
	43	11	12	17	16	19	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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This test was designed to allow participants to assess their proficiency in the analysis of buccal samples by means of DNA profiling. Participants were supplied with a sample pack consisting of one of three buccal collection substrates: FTA™ Indicating Micro Cards, Bode Buccal® DNA Collectors, and cotton swabs. Item 1 was created using a female donor. Items 2 and 3 were created using two different male donors. Refer to the Manufacturer's Information for preparation details.

Data were returned by 187 participants.

For STR results, all participants reported consistent results with the exception of six participants. Additionally, seventeen participants documented difficulty obtaining a full profile from one or more items, particularly Items 2 and 3. Most of these participants produced successful profiles with additional testing. Twelve of these participants submitted results for 26-5842 using the swab substrate and ten reported using the PowerPlex® Fusion 6C kit.

For YSTR results, all participants reported consistent results.

# STR Amplification Kit(s) & Results

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
<b>Item 1 - STR Results</b>						
2BPUJH - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	NR	NR	NR		
2KQHBE - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
2T8R4H - 5840		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
2U48FE - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
32E2RM - 5842		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
32TE8J - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16	12,13	NT
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	NR	NR	NR	NT	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

34QDWJ - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
38JNJ3 - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
3DR2NF - 5841		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
3KU2YH - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
3MF4GB - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
3NULPM - 5842		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
3UXC78 - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3W28TG - 5840		PowerPlex® Fusion				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
3XZ AHL - 5841		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
478AP2 - 5842		GlobalFiler™				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
4799MG - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
4CU2YF - 5842		GlobalFiler™ Express				
1						
4D9LNJ - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
4KAQNG - 5840		PowerPlex® 35GY				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

4LKM6E - 5840	Investigator® 24plex GO!					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
4TLWFD - 5841	GlobalFiler™ Direct					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
4YN984 - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
4ZGYDH - 5842	PowerPlex® Fusion 6C					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
69TBAF - 5842	PowerPlex® Fusion 6C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
6CPYQM - 5840	GlobalFiler™					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
6PYQFG - 5840	PowerPlex® Fusion 6C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18	NR	NR	NR		

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6TJHQJ - 5842	PowerPlex® Fusion 6C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
6UEZTK - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
6V4GW2 - 5840	PowerPlex® Fusion 6C System					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
6X99NE - 5842	GlobalFiler™ Express					
1						
79KVC7 - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
7CJAXA - 5840	PowerPlex® Fusion 5C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
7EPRV7 - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

7EUAXB - 5841		GlobalFiler™ Direct				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
7F429C - 5840		Investigator® 24plex GO!				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
7LUGNC - 5841		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
7ZAR4L - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
84NQW7 - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
86KTBB - 5840		PowerPlex® 35GY				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
8AGGRH - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

8CGWUE - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
8YTYNA - 5840		Investigator® 24plex GO!				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
8ZNFZ7 - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
96GWUC - 5840		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
96XTMC - 5840		PowerPlex® Fusion				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
9B6LC2 - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
9QXCAH - 5840		GlobalFiler™				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	-	-	18,20	9,9	8,11
	16,18	-	-	-	-	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

A2CN38 - 5842		PowerPlex® Fusion 6C					
		14,18.3	19,22	12,14	16,16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X,X	7,12
		21,23	6,9	5,9	18,20	9,9	8,11
		16,18					
A6ZVG - 5842		GlobalFiler™ Express					
		14,18.3	19,22	12,14	16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X	7,12
		21,23			18,20	9	8,11
		16,18					
A8WQ73 - 5840		PowerPlex® Fusion 5C					
		14,18.3	19,22	12,14	16,16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X,X	7,12
		21,23	6,9	5,9		9,9	8,11
		16,18					
AUXM7H - 5840		GlobalFiler™					
		14,18.3	19,22	12,14	16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X	7,12
		21,23			18,20	9	8,11
		16,18					
B3NJQK - 5840		GlobalFiler™					
		14,18.3	19,22	12,14	16,16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X,X	7,12
		21,23			18,20	9,9	8,11
		16,18					
B9BF8U - 5841		GlobalFiler™ Express					
		14,18.3	19,22	12,14	16,16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X,X	7,12
		21,23			18,20	9,9	8,11
		16,18					
B9MCCY - 5840		GlobalFiler™ Express					
		14,18.3	19,22	12,14	16,16	12,13	
1		10,12	11,15	13,16	17.3,20	12,13	9,13
		12,15	12,12.2	28,34	15,16	X,X	7,12
		21,23			18,20	9,9	8,11
		16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

BBVDLC - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
BEEJV8 - 5841		GlobalFiler™				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
BFNNC3 - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
BHUU9C - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16	12,13	NT
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	NR	NR	NR	NT	
BKJDTA - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
BPZP6K - 5842		PowerPlex® Fusion				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18	NR				
BWZVWE - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

C63KZW - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
C8G399 - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
CDHE47 - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
CFLAM9 - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
CKFVQ6 - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
CNJQA8 - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	NR	NR	NR		
CVGHH2 - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

DC2GC7 - 5840	GlobalFiler™					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
DE3RX9 - 5841	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
DGVP8Z - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
DJH3BC - 5841	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
DLAZK4 - 5840	PowerPlex® Fusion 5C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
DQFUEY - 5840	PowerPlex® Fusion 5C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
DW84PX - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

DZQVZZ - 5840	PowerPlex® Fusion 5C					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
EDQEQQ - 5842	PowerPlex® ESX_17 FAST					
	14,18.3	19,22	12,14	16,16		
1		11,15	13,16	17.3,20		9,13
	12,15	12,12.2	28,34	15,16	X,X	
	21,23			18,20	9,9	
	16,18					
EDQETB - 5841	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
EGB73T - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
EL2J2V - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
EUGBDE - 5842	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
F2DC8D - 5841	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

FB7NFF - 5842	PowerPlex® Fusion 5C					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18	NR				
FJBWJR - 5842	Verifiler Express,HDplex					
	14,18.3	19,22	12,14	16,16	12,13	12,12
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
FLY9M4 - 5840	PowerPlex® Fusion					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
FQUZQU - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
FRPHTV - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
G2VLUE - 5842	PowerPlex® Fusion					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18	NR				
GD7738 - 5840	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

GHJXAZ - 5840		NGM SElect				
1	14,18.3	19,22	12,14	16,16		
		11,15	13,16	17,3,20		9,13
	12,15	12,12.2	28,34	15,16	X,X	
	21,23			18,20	9,9	
	16,18					
GJ9HY6 - 5840		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
GNKA7W - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
GPC9FP - 5841		PowerPlex® Fusion 6C System				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
GQN6PZ - 5841		GlobalFiler™ Direct				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
H6KJKM - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18	--			--	
HAJXAX - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

HW7XAX - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18	0			0	
HWAGYM - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18	--			--	
J6J7E7 - 5841		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
JFMCFZ - 5840		GlobalFiler™				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
JP9GMY - 5841		PowerPlex® Fusion 5C				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
K778TT - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
KCJ2W6 - 5842		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

KHNRDP - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
KHZJ77 - 5840		GlobalFiler™				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
KRNCH3 - 5840		GlobalFiler™				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
KVNND3 - 5840		GlobalFiler™				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18	--			--	
KZ4XPL - 5841		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
L2UJTW - 5842		Verifiler Plus				
1	14,18.3	19,22	12,14	16	12,13	12
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
L36JUX - 5840		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

L9DUU4 - 5842		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
LD63FX - 5840		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
LD6663 - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
LDAL32 - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					
LXAQGU - 5840		PowerPlex® Fusion 5C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
LXU923 - 5841		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
LYRLKP - 5840		GlobalFiler™ Express, GlobalFiler™				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	XX	7,12
	21,23			18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

M4YKGGZ - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
M6UZUX - 5840		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
MWHU79 - 5842		PowerPlex® Fusion 5C				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18	NR				
N7EFC4 - 5841		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
N8RZ8Y - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
N9MJ92 - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
NACYCG - 5842		PowerPlex® Fusion 6C System				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

NDFR92 - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
NDWQNJ - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
NGWYRU - 5842		VeriFiler Plus				
	14,18.3	19,22	12,14	16	12,13	12
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
NPWBB7 - 5842		Identifiler® Plus, PowerPlex® Fusion 6C, 21				
	14,18.3	19,22	12,14	16	12,13	12
1	10,12	11,15	13,26	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	0	0	0		
NQP9GR - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16	12,13	NT
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	NR	NR	NR	NT	
P499VW - 5840		Investigator® 24plex GO!				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
P8AAVU - 5840		GlobalFiler™				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

P9ZJHF - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
PGVBPB - 5840		GlobalFiler™ Express, GlobalFiler™				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
PMGFZX - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
PX3GHT - 5840		Investigator® 24plex				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
PZ9XYW - 5841		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
Q9VMNW - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
QJGQWV - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

QK9P7N - 5840		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
QN8Z7U - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
QRRTHW - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
R4FDWQ - 5842		VeriFiler Plus				
	14,18.3	19,22	12,14	16	12,13	12
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
R7JAFT - 5840		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
RE4XP4 - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
T8AULP - 5841		GlobalFiler™				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

TJQEAR - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
TLTCGE - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
TYLRTU - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
U7WK9H - 5840		PowerPlex® Fusion 5C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
UFPLZU - 5842		PowerPlex® Fusion 6C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
UKGZCH - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
UQPARQ - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

UWUZ9B - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
V3FDPP - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
VCGZDF - 5840		GlobalFiler™ Express, GlobalFiler™				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
VH98XA - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
VP3CNP - 5842		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18	-			-	
VP7UQU - 5841		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
VRFVXM - 5841		PowerPlex® Fusion 5C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

VTRLZC - 5840		GlobalFiler™ Express, GlobalFiler™				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
VYDEAQ - 5842		GlobalFiler™ IQC				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18	-			-	
VYECKL - 5842		GlobalFiler™ Express				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
XANNVL - 5840		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
XBJ48H - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18					
XBJ8WM - 5842		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					
XFTKEL - 5840		PowerPlex® Fusion 6C				
	14,18.3	19,22	12,14	16,16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9	18,20	9,9	8,11
	16,18					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XFTM4Q - 5841	GlobalFiler™ Express					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
XPGH2K - 5841	GlobalFiler™					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
XUWTEN - 5842	PowerPlex® Fusion 6C					
	14,18.3	19,22	12,14	16	12,13	NT
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9	18,20	9	8,11
	16,18	NR	NR	NR	NT	
XY74BP - 5840	PowerPlex® Fusion					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23	6,9	5,9		9	8,11
	16,18					
XY82LK - 5840	GlobalFiler™					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
Y3NNVJ - 5840	GlobalFiler™					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
YBDA2H - 5841	GlobalFiler™					
	14,18.3	19,22	12,14	16	12,13	
1	10,12	11,15	13,16	17.3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

YHJ2EL - 5840		PowerPlex® Fusion 5C				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23	6,9	5,9		9,9	8,11
	16,18					
YPBANYQ - 5841		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					
YRJCD - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
Z4DA2F - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16,16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X,X	7,12
	21,23			18,20	9,9	8,11
	16,18					
ZXQE9N - 5840		GlobalFiler™ Express				
1	14,18.3	19,22	12,14	16	12,13	
	10,12	11,15	13,16	17,3,20	12,13	9,13
	12,15	12,12.2	28,34	15,16	X	7,12
	21,23			18,20	9	8,11
	16,18					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

2BPUJH - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
2KQHBE - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
2T8R4H - 5840	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
2U48FE - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
32E2RM - 5842	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
32TE8J - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	NT
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14	NT	
34QDWJ - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

38JNJ3 - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10				
3DR2NF - 5841	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
3KU2YH - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
3MF4GB - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
3NULPM - 5842	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
3UXC78 - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
3W28TG - 5840	PowerPlex® Fusion					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3XZ AHL - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
478AP2 - 5842	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
4799MG - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
4CU2YF - 5842	GlobalFiler™ Express					
2						
4D9LNJ - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
4KAQNG - 5840	PowerPlex® 35GY					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17					
4LKM6E - 5840	Investigator® 24plex GO!					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

4TLWFD - 5841	GlobalFiler™ Direct					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
4YN984 - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
4ZGYDH - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
69TBFAF - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
6CPYQM - 5840	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
6PYQFG - 5840	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
6TJHQJ - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6UEZTK - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
6V4GW2 - 5840	PowerPlex® Fusion 6C System					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10,10	19,19	14,14		
6X99NE - 5842	GlobalFiler™ Express					
2						
79KVC7 - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
7CJAXA - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2		13,15			11,11	12,12
	12,15	13,15	30,31.2		X,Y	
		9,9			6,9	
	17,17					
7EPRV7 - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
7EUAXB - 5841	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

7F429C - 5840		Investigator® 24plex GO!				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10				
7LUGNC - 5841		PowerPlex® Fusion 5C				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
7ZAR4L - 5841		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
84NQW7 - 5840		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
86KTBB - 5840		PowerPlex® 35GY				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17					
8AGGRH - 5840		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
8CGWUE - 5841		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

8YTYNA - 5840		Investigator® 24plex GO!				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10				
8ZNFZ7 - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
96GWUC - 5840		PowerPlex® Fusion 6C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
96XTMC - 5840		PowerPlex® Fusion				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
9B6LC2 - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
9QXCAH - 5840		GlobalFiler™				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	-	-	28.2,29.2	6,9	8,8
	17,17	10	-	-	2	
A2CN38 - 5842		PowerPlex® Fusion 6C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

A6ZVG - 5842		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
A8WQ73 - 5840		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
AUXM7H - 5840		GlobalFiler™				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
B3NJQK - 5840		GlobalFiler™				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
B9BF8U - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10				
B9MCCY - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
BBVDLC - 5842		PowerPlex® Fusion 6C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

BEEJV8 - 5841		GlobalFiler™				
		11,16	18,22	11.3,14	14,17	12
2		9,10	13,15	13,15	21	11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25			28.2,29.2	6,9
		17	10			2
BFNNC3 - 5840		GlobalFiler™ Express				
		11,16	18,22	11.3,14	14,17	12,12
2		9,10	13,15	13,15	21,21	11,11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25			28.2,29.2	6,9
		17,17	10			2
BHUU9C - 5842		PowerPlex® Fusion 6C				
		11,16	18,22	11.3,14	14,17	12
2		9,10	13,15	13,15	21	11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25	9	13,19	28.2,29.2	6,9
		17	10	19	14	NT
BKJDTA - 5842		PowerPlex® Fusion 6C				
		11,16	18,22	11.3,14	14,17	12,12
2		9,10	13,15	13,15	21,21	11,11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25	9,9	13,19	28.2,29.2	6,9
		17,17	10	19	14	
BPZP6K - 5842		PowerPlex® Fusion				
		11,16	18,22	11.3,14	14,17	12
2		9,10	13,15	13,15	21	11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25	9	13,19		6,9
		17	10			
BWZVWE - 5840		GlobalFiler™ Express				
		11,16	18,22	11.3,14	14,17	12
2		9,10	13,15	13,15	21	11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25			28.2,29.2	6,9
		17	10			2
C63KZW - 5841		GlobalFiler™ Express				
		11,16	18,22	11.3,14	14,17	12,12
2		9,10	13,15	13,15	21,21	11,11
		12,15	13,15	30,31.2	15,16	X,Y
		21,25			28.2,29.2	6,9
		17,17	10			

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

C8G399 - 5840		PowerPlex® Fusion 5C				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
CDHE47 - 5840		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
CFLAM9 - 5840		PowerPlex® Fusion 5C				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
CKFVQ6 - 5840		PowerPlex® Fusion 5C				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
CNJQA8 - 5842		PowerPlex® Fusion 6C				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
CVGHH2 - 5840		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
DC2GC7 - 5840		GlobalFiler™				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

DE3RX9 - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
DGVP8Z - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
DJH3BC - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
DLAZK4 - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
DQFUEY - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17		
2		13,15			11,11	12,12
	12,15	13,15	30,31.2		X,Y	
		9,9			6,9	
	17,17					
DW84PX - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
DZQVZZ - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

EDQEQQ - 5842		PowerPlex® ESX_17 FAST				
2	11,16	18,22	11.3,14	14,17		
		13,15	13,15	21,21		12,12
	12,15	13,15	30,31.2	15,16	X,Y	
	21,25			28.2,29.2	6,9	
	17,17					
EDQETB - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
EGB73T - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
EL2J2V - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
EUGBDE - 5842		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
F2DC8D - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
FB7NFF - 5842		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

FJBWJR - 5842		Verifiler Express,HDplex				
2	11,16	18,22	11.3,14	14,17	12,12	11,16
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14	2	
FLY9M4 - 5840		PowerPlex® Fusion				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
FQUZQU - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
FRPHTV - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
G2VLUE - 5842		PowerPlex® Fusion				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
GD7738 - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
GHJXAZ - 5840		NGM SElect				
2	11,16	18,22	11.3,14	14,17		
		13,15	13,15	21,21		12,12
	12,15	13,15	30,31.2	15,16	X,Y	
	21,25			28.2,29.2	6,9	
	17,17					

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

GJ9HY6 - 5840	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
GNKA7W - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
GPC9FP - 5841	PowerPlex® Fusion 6C System					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
GQN6PZ - 5841	GlobalFiler™ Direct					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
H6KJKM - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
HAXJAX - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
HW7XAX - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

HWAGYM - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
J6J7E7 - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
JFMCFZ - 5840		GlobalFiler™				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
JP9GMY - 5841		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
K778TT - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
KCJ2W6 - 5842		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
KHNRDP - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

KHZJ77 - 5840		GlobalFiler™					
		11,16	18,22	11.3,14	14,17	12,12	
2		9,10	13,15	13,15	21,21	11,11	12,12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25			28.2,29.2	6,9	8,8
		17,17	10			2	
KRNCH3 - 5840		GlobalFiler™					
		11,16	18,22	11.3,14	14,17	12,12	
2		9,10	13,15	13,15	21,21	11,11	12,12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25			28.2,29.2	6,9	8,8
		17,17	10			2	
KVNND3 - 5840		GlobalFiler™					
		11,16	18,22	11.3,14	14,17	12,12	
2		9,10	13,15	13,15	21,21	11,11	12,12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25			28.2,29.2	6,9	8,8
		17,17	10			2	
KZ4XPL - 5841		GlobalFiler™ Express					
		11,16	18,22	11.3,14	14,17	12,12	
2		9,10	13,15	13,15	21,21	11,11	12,12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25			28.2,29.2	6,9	8,8
		17,17	10				
L2UJTW - 5842		Verifiler Plus					
		11,16	18,22	11.3,14	14,17	12	11,16
2		9,10	13,15	13,15	21	11	12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25	9	13,19		6,9	8
		17				2	
L36JUX - 5840		PowerPlex® Fusion 6C					
		11,16	18,22	11.3,14	14,17	12,12	
2		9,10	13,15	13,15	21,21	11,11	12,12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25	9,9	13,19	28.2,29.2	6,9	8,8
		17,17	10	19	14		
L9DUU4 - 5842		GlobalFiler™ Express					
		11,16	18,22	11.3,14	14,17	12	
2		9,10	13,15	13,15	21	11	12
		12,15	13,15	30,31.2	15,16	X,Y	10,11
		21,25			28.2,29.2	6,9	8
		17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

LD63FX - 5840	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
LD6663 - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
LDAL32 - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
LXAQGU - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
LXU923 - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
LYRLKP - 5840	GlobalFiler™ Express, GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
M4YKGZ - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

M6UZUX - 5840		PowerPlex® Fusion 6C				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
MWHU79 - 5842		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
N7EFC4 - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
N8RZ8Y - 5842		PowerPlex® Fusion 6C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
N9MJ92 - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
NACYCG - 5842		PowerPlex® Fusion 6C System				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	15,21	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
NDFR92 - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

NDWQNJ - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
NGWYRU - 5842	VeriFiler Plus					
	11,16	18,22	11.3,14	14,17	12	11,16
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17				2	
NPWBB7 - 5842	Identifiler® Plus, PowerPlex® Fusion 6C, 21					
	11,16	18,22	11.3,14	14,17	12	11,16
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14		
NQP9GR - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	NT
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14	NT	
P499VW - 5840	Investigator® 24plex GO!					
	11,16		11.3,14	14	12	
2			13,15	21	11	12
	12,15	13,15		15,16	X,Y	10,11
	21			28.2,29.2	6,9	8
	17	10				
P8AAVU - 5840	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
P9ZJHF - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PGVPBG - 5840		GlobalFiler™ Express, GlobalFiler™				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
PMGFZX - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
PX3GHT - 5840		Investigator® 24plex				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10				
PZ9XYW - 5841		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
Q9VMNW - 5840		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
QJGQWV - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
QK9P7N - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

QN8Z7U - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
QRRTHW - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
R4FDWQ - 5842	VeriFiler Plus					
	11,16	18,22	11.3,14	14,17	12	11,16
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17				2	
R7JAFT - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
RE4XP4 - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
T8AULP - 5841	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
TJQEAR - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

TLTCGE - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
TYLRTU - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
U7WK9H - 5840		PowerPlex® Fusion 5C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				
UFPLZU - 5842		PowerPlex® Fusion 6C				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
UKGZCH - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
UQPARQ - 5840		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12	
	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
UWUZ9B - 5841		GlobalFiler™ Express				
2	11,16	18,22	11.3,14	14,17	12,12	
	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

V3FDPP - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
VCGZDF - 5840	GlobalFiler™ Express, GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
VH98XA - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10				
VP3CNP - 5842	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,-
	17,17	10			2	
VP7UQU - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
VRFVXM - 5841	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
VTSLZC - 5840	GlobalFiler™ Express, GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

VYDEAQ - 5842		GlobalFiler™ IQC				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
VYECKL - 5842		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
XANNVL - 5840		PowerPlex® Fusion 6C				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
XBJ48H - 5842		PowerPlex® Fusion 6C				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10		14		
XBJ8WM - 5842		PowerPlex® Fusion 6C				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
XFTKEL - 5840		PowerPlex® Fusion 6C				
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19	28.2,29.2	6,9	8,8
	17,17	10	19	14		
XFTM4Q - 5841		GlobalFiler™ Express				
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XPGH2K - 5841	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
XUWTEN - 5842	PowerPlex® Fusion 6C					
	11,16	18,22	11.3,14	14,17	12	NT
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19	28.2,29.2	6,9	8
	17	10	19	14	NT	
XY74BP - 5840	PowerPlex® Fusion					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9	13,19		6,9	8
	17	10				
XY82LK - 5840	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
Y3NNVJ - 5840	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
YBDA2H - 5841	GlobalFiler™					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
YHJ2EL - 5840	PowerPlex® Fusion 5C					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25	9,9	13,19		6,9	8,8
	17,17	10				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

YPBANYQ - 5841	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	
YRJCD - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
Z4DA2F - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12,12	
2	9,10	13,15	13,15	21,21	11,11	12,12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8,8
	17,17	10			2	
ZXQE9N - 5840	GlobalFiler™ Express					
	11,16	18,22	11.3,14	14,17	12	
2	9,10	13,15	13,15	21	11	12
	12,15	13,15	30,31.2	15,16	X,Y	10,11
	21,25			28.2,29.2	6,9	8
	17	10			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

2BPUJH - 5842	GlobalFiler™					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,*
	22,25			17,29.2	9,9.3	8,*
	15,17	11			2	
2KQHBE - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
2T8R4H - 5840	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
2U48FE - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
32E2RM - 5842	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
32TE8J - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	NT
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16	NT	
34QDWJ - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

38JNJ3 - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17					
3DR2NF - 5841	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
3KU2YH - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
3MF4GB - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
3NULPM - 5842	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
3UXC78 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
3W28TG - 5840	PowerPlex® Fusion					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

3XZ AHL - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
478AP2 - 5842	GlobalFiler™					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
4799MG - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
4CU2YF - 5842	GlobalFiler™ Express					
3						
4D9L NJ - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
4KAQNG - 5840	PowerPlex® 35GY					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17					
4LKM6E - 5840	Investigator® 24plex GO!					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

4TLWFD - 5841		GlobalFiler™ Direct				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
4YN984 - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
4ZGYDH - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
69TBAF - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
6CPYQM - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
6PYQFG - 5840		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
6TJHQJ - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6UEZTK - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
6V4GW2 - 5840	PowerPlex® Fusion 6C System					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
6X99NE - 5842	GlobalFiler™ Express					
3						
79KVC7 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
7CJAXA - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
7EPRV7 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
7EUAXB - 5841	GlobalFiler™ Direct					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

7F429C - 5840	Investigator® 24plex GO!					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11				
7LUGNC - 5841	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
7ZAR4L - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
84NQW7 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
86KTBB - 5840	PowerPlex® 35GY					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17					
8AGGRH - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
8CGWUE - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

8YTYNA - 5840		Investigator® 24plex GO!				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11				
8ZNFZ7 - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
96GWUC - 5840		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
96XTMC - 5840		PowerPlex® Fusion				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
9B6LC2 - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
9QXCAH - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	-	-	17,29.2	9,9.3	8,8
	15,17	11	-	-	2	
A2CN38 - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

A6ZVG - 5842		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
A8WQ73 - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
AUXM7H - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
B3NJQK - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
B9BF8U - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				
B9MCCY - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
BBVDLC - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

BEEJV8 - 5841		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
BFNNC3 - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
BHUU9C - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12	NT
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16	NT	
BKJDTA - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
BPZP6K - 5842		PowerPlex® Fusion				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
BWZVWE - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
C63KZW - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

C8G399 - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
CDHE47 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
CFLAM9 - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
CKFVQ6 - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
CNJQA8 - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	NR	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
CVGHH2 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
DC2GC7 - 5840	GlobalFiler™					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

DE3RX9 - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
DGVP8Z - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
DJH3BC - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
DLAZK4 - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
DQFUEY - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13		8,11	11,13
	17,18	13,14	31.2,32.2		X,Y	10,10
	22,25	9,13			9,9.3	
	15,17					
DW84PX - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
DZQVZZ - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

EDQEQQ - 5842	PowerPlex® ESX_17 FAST					
	11,13	18,20	10,11	14,16		
3		10,16	13,13	18,23		11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	
	22,25			17,29.2	9,9.3	
	15,17					
EDQETB - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
EGB73T - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
EL2J2V - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
EUGBDE - 5842	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
F2DC8D - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
FB7NFF - 5842	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

FJBWJR - 5842		Verifiler Express,HDplex				
3	11,13	18,20	10,11	14,16	12,12	12,17
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16	2	
FLY9M4 - 5840		PowerPlex® Fusion				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
FQUZQU - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
FRPHTV - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
G2VLUE - 5842		PowerPlex® Fusion				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
GD7738 - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
GHJXAZ - 5840		NGM SElect				
3	11,13	18,20	10,11	14,16		
		10,16	13,13	18,23		11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	
	22,25			17,29.2	9,9.3	
	15,17					

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

GJ9HY6 - 5840		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
GNKA7W - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
GPC9FP - 5841		PowerPlex® Fusion 6C System				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
GQN6PZ - 5841		GlobalFiler™ Direct				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
H6KJKM - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
HAJXAX - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
HW7XAX - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

HWAGYM - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
J6J7E7 - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
JFMCFZ - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
JP9GMY - 5841		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
K778TT - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
KCJ2W6 - 5842		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
KHNRDP - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

KHZJ77 - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
KRNCH3 - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
KVNND3 - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
KZ4XPL - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				
L2UJTW - 5842		Verifiler Plus				
3	11,13	18,20	10,11	14,16	12	12,17
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17				2	
L36JUX - 5840		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
L9DUU4 - 5842		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

LD63FX - 5840	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
LD6663 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
LDAL32 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
LXAQGU - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
LXU923 - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
LYRLKP - 5840	GlobalFiler™ Express, GlobalFiler™					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
M4YKGZ - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

M6UZUX - 5840	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
MWHU79 - 5842	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
N7EFC4 - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
N8RZ8Y - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
N9MJ92 - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
NACYCG - 5842	PowerPlex® Fusion 6C System					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
NDFR92 - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

NDWQNJ - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
NGWYRU - 5842		VeriFiler Plus				
3	11,13	18,20	10,11	14,16	12	12,17
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17				2	
NPWBB7 - 5842		Identifiler® Plus, PowerPlex® Fusion 6C, 21				
3	11,13	18,20	10,11	14,16	12	12,17
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16		
NQP9GR - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12	NT
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16	NT	
P499VW - 5840		Investigator® 24plex GO!				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11				
P8AAVU - 5840		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
P9ZJHF - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PGVPBG - 5840		GlobalFiler™ Express, GlobalFiler™				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
PMGFZX - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
PX3GHT - 5840		Investigator® 24plex				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				
PZ9XYW - 5841		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
Q9VMNW - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
QJGQWV - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
QK9P7N - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

QN8Z7U - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
QRRTHW - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
R4FDWQ - 5842		Verifiler Plus				
3	11,13	18,20	10,11	14,16	12	12,17
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17				2	
R7JAFT - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
RE4XP4 - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
T8AULP - 5841		GlobalFiler™				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
TJQEAR - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

TLTCGE - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
TYLRTU - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
U7WK9H - 5840		PowerPlex® Fusion 5C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				
UFPLZU - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
UKGZCH - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
UQPARQ - 5840		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
UWUZ9B - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

V3FDPP - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
VCGZDF - 5840	GlobalFiler™ Express, GlobalFiler™					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
VH98XA - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11				
VP3CNP - 5842	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,-
	15,17	11			2	
VP7UQU - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
VRFVXM - 5841	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
VTSLZC - 5840	GlobalFiler™ Express, GlobalFiler™					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	

TABLE 1

WebCode - Test		Amplification Kits				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

VYDEAQ - 5842		GlobalFiler™ IQC				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
VYECKL - 5842		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
XANNVL - 5840		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
XBJ48H - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	[12]	
	[8]	10,16	13	18,23	[11]	11,13
	17,18	13,14			X,Y	[10]
	22,25			17,29.2	9,9.3	[8]
	15,17	11				
XBJ8WM - 5842		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
XFTKEL - 5840		PowerPlex® Fusion 6C				
3	11,13	18,20	10,11	14,16	12,12	
	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13	17,29.2	9,9.3	8,8
	15,17	11	17	16		
XFTM4Q - 5841		GlobalFiler™ Express				
3	11,13	18,20	10,11	14,16	12	
	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XPGH2K - 5841	GlobalFiler™					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
XUWTEN - 5842	PowerPlex® Fusion 6C					
	11,13	18,20	10,11	14,16	12	NT
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13	17,29.2	9,9.3	8
	15,17	11	17	16	NT	
XY74BP - 5840	PowerPlex® Fusion					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25	9,13	10,13		9,9.3	8
	15,17	11				
XY82LK - 5840	GlobalFiler™					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
Y3NNVJ - 5840	GlobalFiler™					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
YBDA2H - 5841	GlobalFiler™					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
YHJ2EL - 5840	PowerPlex® Fusion 5C					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25	9,13	10,13		9,9.3	8,8
	15,17	11				

TABLE 1

WebCode - Test	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

YPBANYQ - 5841	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			2	
YRJCD - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
Z4DA2F - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12,12	
3	8,9	10,16	13,13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10,10
	22,25			17,29.2	9,9.3	8,8
	15,17	11			2	
ZXQE9N - 5840	GlobalFiler™ Express					
	11,13	18,20	10,11	14,16	12	
3	8,9	10,16	13	18,23	8,11	11,13
	17,18	13,14	31.2,32.2	15,16	X,Y	10
	22,25			17,29.2	9,9.3	8
	15,17	11			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 2 - YSTR Results

2U48FE - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
32E2RM - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
3DR2NF - 5841		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
3KU2YH - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
3NULPM - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
478AP2 - 5842		Yfiler® Plus							
2	38,38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
4KAQNG - 5840		PowerPlex® 35GY							
2			13,15			21	10		
				22			16		21
							22		
69TBAF - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
6V4GW2 - 5840		PowerPlex® Y 23 System							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
84NQW7 - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
86KTBB - 5840		PowerPlex® 35GY							
2			13,15			21	10		
		10		22		15	16		21
							22	12	

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 2 - YSTR Results

8NUWQ8 - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
A2CN38 - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
A6ZVWG - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
B3NJQK - 5840		Yfiler® Plus							
2	38,38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
BFNNC3 - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
BPZP6K - 5842		Yfiler®							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		
							22		11
DW84PX - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
FB7NFF - 5842		Yfiler®, PowerPlex® Fusion 5C							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		
							22		11
FJBWJR - 5842		Yfiler® Plus							
2	38,38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10	12	19	14	20	22	12	11
FQUZQU - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
G2VLUE - 5842		Yfiler®							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		
							22		11
GNKA7W - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	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 2 - YSTR Results

GPC9FP - 5841	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
HAJXAX - 5840	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
HNEFYW - 5842	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
HW7XAX - 5840	Yfiler® Plus								
2	38,38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
JP9GMY - 5841	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
K778TT - 5840	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
KCJ2W6 - 5842	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
L2UJTW - 5842	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
L9DUU4 - 5842	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
LD63FX - 5840	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
M6UZUX - 5840	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
MWHU79 - 5842	Yfiler®, PowerPlex® Fusion 5C								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
						22		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 2 - YSTR Results</b>									
NACYCG - 5842	PowerPlex® Y 23 System								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
NGWYRU - 5842	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
NPWBB7 - 5842	Yfiler®								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16			
						22		11	
NZBCNQ - 5842	PowerPlex® Y 23								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
PX3GHT - 5840	Yfiler®								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
PZ9XYW - 5841	PowerPlex® Y 23								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
QK9P7N - 5840	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
R4FDWQ - 5842	Yfiler®								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
RE4XP4 - 5842	PowerPlex® Y 23								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
TJQEAR - 5842	PowerPlex® Y 23								
2	15	13,15	12	29	21	10	11	15	
	16	10	13	22	15	16		21	
	10	12	19	14		22	12	11	
UKGZCH - 5840	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
VYDEAQ - 5842	Yfiler® Plus								
2	38	15	13,15	12	29	21	10	11	15,-
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	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 2 - YSTR Results

XBJ48H - 5842		PowerPlex® Y 23							
2		15	13,15	12	29	21	10	11	15
	16	10	13	22		15	16		21
		10	12	19	14		22	12	11
YBDA2H - 5841		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	22		11
Z4DA2F - 5840		Yfiler® Plus							
2	38	15	13,15	12	29	21	10	11	15
	16	10	13	22	28	15	16	10	21
	36	10		19	14	20	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
<b>Item 3 - YSTR Results</b>									
2U48FE - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
32E2RM - 5842	PowerPlex® Y 23								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
3DR2NF - 5841	PowerPlex® Y 23								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
3KU2YH - 5842	PowerPlex® Y 23								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
3NULPM - 5842	PowerPlex® Y 23								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
478AP2 - 5842	Yfiler® Plus								
3	38,38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
4KAQNG - 5840	PowerPlex® 35GY								
3			13,14			22	11		
		10		20		14	16		25
							22	12	
69TBAF - 5842	PowerPlex® Y 23								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
6V4GW2 - 5840	PowerPlex® Y 23 System								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
84NQW7 - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
86KTBB - 5840	PowerPlex® 35GY								
3			13,14			22	11		
		10		20		14	16		25
							22	12	
8NUWQ8 - 5842	PowerPlex® Y 23								
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		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>									
A2CN38 - 5842	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
A6ZVVG - 5842	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
B3NJQK - 5840	Yfiler® Plus								
3	38,38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
BFNNC3 - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
BPZP6K - 5842	Yfiler®								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
						22		11	
DW84PX - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
EUGBDE - 5842	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
FB7NFF - 5842	Yfiler®, PowerPlex® Fusion 5C								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
						22		11	
FJBWJR - 5842	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11	12	17	16	19	22	12	11
FQUZQU - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
G2VLUE - 5842	Yfiler®								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
						22		11	
GNKA7W - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	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

GPC9FP - 5841		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
HAJXAX - 5840		Yfiler® Plus							
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
HNEFYW - 5842		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
HW7XAX - 5840		Yfiler® Plus							
3	38,38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
JP9GMY - 5841		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
K778TT - 5840		Yfiler® Plus							
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
KCJ2W6 - 5842		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
L2UJTW - 5842		Yfiler® Plus							
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
L9DUU4 - 5842		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
LD63FX - 5840		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
M6UZUX - 5840		PowerPlex® Y 23 System							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
MWHU79 - 5842		Yfiler®, PowerPlex® Fusion 5C							
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
						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
<b>Item 3 - YSTR Results</b>									
NACYCG - 5842	PowerPlex® Y 23 System								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
NGWYRU - 5842	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
NPWBB7 - 5842	Yfiler®								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16			
						22		11	
NZBCNQ - 5842	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
PX3GHT - 5840	Yfiler®								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
PZ9XYW - 5841	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
QK9P7N - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
R4FDWQ - 5842	Yfiler®								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
RE4XP4 - 5842	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
TJQEAR - 5842	PowerPlex® Y 23								
3	15	13,14	12	28	22	11	11	13	
	16	10	11	20	14	16		25	
	11	12	17	16		22	12	11	
UKGZCH - 5840	Yfiler® Plus								
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
VYDEAQ - 5842	Yfiler® Plus								
3	38,-	15	13,14	12	-	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	-		17	16	19	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

XBJ48H - 5842		PowerPlex® Y 23							
3		15	13,14	12	28	22	11	11	13
	16	10	11	20		14	16		25
		11	12	17	16		22	12	11
YBDA2H - 5841		Yfiler® Plus							
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11
Z4DA2F - 5840		Yfiler® Plus							
3	38	15	13,14	12	28	22	11	11	13
	16	10	11	20	28	14	16	10	25
	43	11		17	16	19	22		11

## Additional DNA Results

### TABLE 3

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

Locus	WebCode - Test	Item 1	Item 2	Item 3
AMEL	DFY8A6 - 5842	X	X,Y	X,Y
	LUBDZW - 5842	X	X,Y	X,Y
	TBBT2N - 5842	X	X,Y	X,Y
	UEB6WN - 5842	X	X,Y	X,Y
	Y348FG - 5842	X	X,Y	X,Y
	Y3NNVJ - 5840			X,Y
CSF1PO	DFY8A6 - 5842	7,12	10,11	10
	LUBDZW - 5842	7,12	10,11	10
	TBBT2N - 5842	7,12	10,11	10
	UEB6WN - 5842	7,12	10,11	10
	Y348FG - 5842	7,12	10,11	10
	Y3NNVJ - 5840			10
D10S1248	DFY8A6 - 5842	13,16	13,15	13
	LUBDZW - 5842	13,16	13,15	13
	TBBT2N - 5842	13,16	13,15	13
	UEB6WN - 5842	13,16	13,15	13
	Y348FG - 5842	13,16	13,15	13
	Y3NNVJ - 5840			13
D10S1435	FJBWJR - 5842	12,14	13,14	12,12
D11S2368	FJBWJR - 5842	16,19	19,21	20,21
D12S391	DFY8A6 - 5842	17.3,20	21	18,23
	LUBDZW - 5842	17.3,20	21	18,23
	TBBT2N - 5842	17.3,20	21	18,23
	UEB6WN - 5842	17.3,20	21	18,23
	Y348FG - 5842	17.3,20	21	18,23
	Y3NNVJ - 5840			18,23
D13S317	DFY8A6 - 5842	12,13	11	8,11
	LUBDZW - 5842	12,13	11	8,11
	TBBT2N - 5842	12,13	11	8,11

TABLE 3

<b>Locus</b>	<b>WebCode - Test</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>
D13S317 cont'd	UEB6WN - 5842	12,13	11	8,11
	Y348FG - 5842	12,13	11	8,11
	Y3NNVJ - 5840			8,11
D13S325	FJBWJR - 5842	19,22	20,22	19,21
D14S1434	FJBWJR - 5842	10,14	13,14	11,13
D15S659	FJBWJR - 5842	12,17	12,14	13,16
D16S539	DFY8A6 - 5842	9,13	12	11,13
	LUBDZW - 5842	9,13	12	11,13
	TBBT2N - 5842	9,13	12	11,13
	UEB6WN - 5842	9,13	12	11,13
	Y348FG - 5842	9,13	12	11,13
	Y3NNVJ - 5840			11,13
D17S1301	FJBWJR - 5842	13,14	12,12	11,12
D18S1364	FJBWJR - 5842	15,19	13,15	13,18
D18S51	DFY8A6 - 5842	12,15	12,15	17,18
	LUBDZW - 5842	12,15	12,15	17,18
	TBBT2N - 5842	12,15	12,15	17,18
	UEB6WN - 5842	12,15	12,15	17,18
	Y348FG - 5842	12,15	12,15	17,18
	Y3NNVJ - 5840			17,18
D19S253	FJBWJR - 5842	12,14	12,14	12,12
D19S433	DFY8A6 - 5842	12,12.2	13,15	13,14
	LUBDZW - 5842	12,12.2	13,15	13,14
	TBBT2N - 5842	12,12.2	13,15	13,14
	UEB6WN - 5842	12,12.2	13,15	13,14
	Y348FG - 5842	12,12.2	13,15	13,14
	Y3NNVJ - 5840			13,14
D1S1656	DFY8A6 - 5842	14,18.3	11,16	11,13
	LUBDZW - 5842	14,18.3	11,16	11,13
	TBBT2N - 5842	14,18.3	11,16	11,13
	UEB6WN - 5842	14,18.3	11,16	11,13

TABLE 3

<b>Locus</b>	<b>WebCode - Test</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>
D1S1656 cont'd	Y348FG - 5842	14,18.3	11,16	11,13
	Y3NNVJ - 5840			11,13
D20S482	FJBWJR - 5842	14,14	10,14	12,13
D21S11	DFY8A6 - 5842	28,34	30,31.2	31.2,32.2
	LUBDZW - 5842	28,34	30,31.2	31.2,32.2
	TBBT2N - 5842	28,34	30,31.2	31.2,32.2
	UEB6WN - 5842	28,34	30,31.2	31.2,32.2
	Y348FG - 5842	28,34	30,31.2	31.2,32.2
	Y3NNVJ - 5840			31.2,32.2
D21S2055	FJBWJR - 5842	19.1,30	16.1,34	19.1,31
D22GATA198B05	FJBWJR - 5842	17,20	16,22	19,21
D22S1045	DFY8A6 - 5842	15,16	15,16	15,16
	LUBDZW - 5842	15,16	15,16	15,16
	TBBT2N - 5842	15,16	15,16	15,16
	UEB6WN - 5842	15,16	15,16	15,16
	Y348FG - 5842	15,16	15,16	15,16
	Y3NNVJ - 5840			15,16
D2S1338	DFY8A6 - 5842	19,22	18,22	18,20
	LUBDZW - 5842	19,22	18,22	18,20
	TBBT2N - 5842	19,22	18,22	18,20
	UEB6WN - 5842	19,22	18,22	18,20
	Y348FG - 5842	19,22	18,22	18,20
	Y3NNVJ - 5840			18,20
D2S441	DFY8A6 - 5842	12,14	11.3,14	10,11
	LUBDZW - 5842	12,14	11.3,14	10,11
	TBBT2N - 5842	12,14	11.3,14	10,11
	UEB6WN - 5842	12,14	11.3,14	10,11
	Y348FG - 5842	12,14	11.3,14	10,11
	Y3NNVJ - 5840			10,11
D3S1358	DFY8A6 - 5842	16	14,17	14,16
	LUBDZW - 5842	16	14,17	14,16

TABLE 3

<b>Locus</b>	<b>WebCode - Test</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>
D3S1358 cont'd	TBBT2N - 5842	16	14,17	14,16
	UEB6WN - 5842	16	14,17	14,16
	Y348FG - 5842	16	14,17	14,16
	Y3NNVJ - 5840			14,16
D3S1744	FJBWJR - 5842	16,17	15,18	19,19
D3S3045	FJBWJR - 5842	13,13	13,14	9,14
D4S2366	FJBWJR - 5842	9,10	11,12	11,13
D4S2408	FJBWJR - 5842	8,10	8,11	8,9
D5S2800	FJBWJR - 5842	20,23	14,18	23,24
D5S818	DFY8A6 - 5842	12,13	12	12
	LUBDZW - 5842	12,13	12	12
	TBBT2N - 5842	12,13	12	12
	UEB6WN - 5842	12,13	12	12
	Y348FG - 5842	12,13	12	12
	Y3NNVJ - 5840			12
D6S474	FJBWJR - 5842	17,17	14,14	16,17
D6S477	FJBWJR - 5842	15,15	10.2,11	10.2,13
D7S3048	FJBWJR - 5842	23,25	21,21	20,25
D7S820	DFY8A6 - 5842	10,12	9,10	8,9
	LUBDZW - 5842	10,12	9,10	8,9
	TBBT2N - 5842	10,12	9,10	8,9
	UEB6WN - 5842	10,12	9,10	8,9
	Y348FG - 5842	10,12	9,10	8,9
	Y3NNVJ - 5840			8,9
D8S1132	FJBWJR - 5842	20,23	19,21	17,21
D8S1179	DFY8A6 - 5842	11,15	13,15	10,16
	LUBDZW - 5842	11,15	13,15	10,16
	TBBT2N - 5842	11,15	13,15	10,16
	UEB6WN - 5842	11,15	13,15	10,16
	Y348FG - 5842	11,15	13,15	10,16
	Y3NNVJ - 5840			10,16

TABLE 3

Locus	WebCode - Test	Item 1	Item 2	Item 3
D9S1122	FJBWJR - 5842	11,13	11,13	11,12
DYS391	DFY8A6 - 5842		10	11
	LUBDZW - 5842		10	11
	TBBT2N - 5842		10	11
	UEB6WN - 5842		10	11
	Y348FG - 5842		10	11
	Y3NNVJ - 5840			11
FGA	DFY8A6 - 5842	21,23	21,25	22,25
	LUBDZW - 5842	21,23	21,25	22,25
	TBBT2N - 5842	21,23	21,25	22,25
	UEB6WN - 5842	21,23	21,25	22,25
	Y348FG - 5842	21,23	21,25	22,25
	Y3NNVJ - 5840			22,25
SE33	DFY8A6 - 5842	18,20	28.2,29.2	17,29.2
	LUBDZW - 5842	18,20	28.2,29.2	17,29.2
	TBBT2N - 5842	18,20	28.2,29.2	17,29.2
	UEB6WN - 5842	18,20	28.2,29.2	17,29.2
	Y348FG - 5842	18,20	28.2,29.2	17,29.2
	Y3NNVJ - 5840			17,29.2
TH01	DFY8A6 - 5842	9	6,9	9,9.3
	LUBDZW - 5842	9	6,9	9,9.3
	TBBT2N - 5842	9	6,9	9,9.3
	UEB6WN - 5842	9	6,9	9,9.3
	Y348FG - 5842	9	6,9	9,9.3
	Y3NNVJ - 5840			9,9.3
TPOX	DFY8A6 - 5842	8,11	8	8
	LUBDZW - 5842	8,11	8	8
	TBBT2N - 5842	8,11	8	8
	UEB6WN - 5842	8,11	8	8
	Y348FG - 5842	8,11	8	8
	Y3NNVJ - 5840			8

TABLE 3

<b>Locus</b>	<b>WebCode - Test</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>
VWA	DFY8A6 - 5842	16,18	17	15,17
	LUBDZW - 5842	16,18	17	15,17
	TBBT2N - 5842	16,18	17	15,17
	UEB6WN - 5842	16,18	17	15,17
	Y348FG - 5842	16,18	17	15,17
	Y3NNVJ - 5840			15,17
Y INDEL	DFY8A6 - 5842		2	2
	LUBDZW - 5842		2	2
	TBBT2N - 5842		2	2
	UEB6WN - 5842		2	2
	Y348FG - 5842		2	2
	Y3NNVJ - 5840			2

# Additional Comments

## TABLE 4

WebCode - Test	Additional Comments
2BPUJH - 5842	Items 1 and 3 were amplified with the Direct method. NR = no result. * indicates possible allelic dropout.
32E2RM - 5842	No samples were analyzed by RapidHIT.
32TE8J - 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. Item 2 was originally typed and resulted in a partial profile. The sample was reamplified and resulted in a full profile.
38JNJ3 - 5841	Blank spaces in 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 left blank. In following the database laboratory procedures, the 11 allele at DYS391 for Item 3 did not fall above reporting threshold and thus was also left blank.
3KU2YH - 5842	Samples labeled Item 1, Item 2, and Item 3, were tested and charted using the PCR-based Promega PowerPlex Fusion 6C System. Samples labeled Item 2 and Item 3 were tested and charted using the PCR-based Promega PowerPlex Y23 System. All evidence will be retained at the [Laboratory] until the proficiency test results are confirmed, at which point the evidence will be discarded. Item 1 and Item 2 resulted in full profiles upon first time STR analysis. Item 3 resulted in a partial profile upon first time analysis. Item 3 was re-analyzed and a full profile was obtained. Item 2 and 3 resulted in partial profiles upon first time Y-STR analysis. Item 2 and 3 were re-analyzed and full profiles were obtained.
3NULPM - 5842	Due to technical difficulties with the lab's Rapid instrument, Rapid DNA analysis was not performed during this test.
478AP2 - 5842	The genetic profiles obtained of Item 1, Item 2 and Item 3 were stored in the [Database].
4799MG - 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.
4CU2YF - 5842	Item #1 - A Rapid DNA profile was successfully developed using the method Globalfiler Express/capillary electrophoresis. Item #2 - A Rapid DNA profile was successfully developed using the method Globalfiler Express/capillary electrophoresis. Item #3 - A Rapid DNA profile was successfully developed using the method Globalfiler Express/capillary electrophoresis. The [Laboratory] does NOT report out alleles.
4D9LNI - 5840	No YSTR testing was performed.
4KAQNG - 5840	Item 2 was punched five extra times, and a full profile was never obtained. The most complete profile obtained was uploaded.
4ZGYDH - 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.
6PYQFG - 5840	NR = No Result
6TJHQJ - 5842	Test items analyzed in the laboratory by lab technician [Name]. Data interpretations and reporting by scientist [Name]. Item 1 produced a passing profile on the first attempt. Items 2 and 3 failed to produce a passing profile on the first attempt. Major dropout in the larger loci (7 or more) were observed. Sample lysate were concentrated and re-amplified with max template, and passed on the second testing attempt.
6X99NE - 5842	A Rapid DNA profile was successfully developed for each - Items 1, 2, and 3. The [Laboratory] does not report alleles (profile development for Rapid DNA testing only).

TABLE 4

WebCode - Test	Additional Comments
7CJAXA - 5840	A partial profile was developed for items 2 and 3 using automated methods. The technician assigned to this test is not trained in manual methods so the results were reported without going through a manual process. The associated controls and other samples performed as expected.
7EUAXB - 5841	Direct amplification was performed twice on Item 2. This item exhibited degradation with dropout on both direct amplification runs. The sample had to be manual extracted to obtain a full profile.
A6ZVVG - 5842	No samples were analyzed by RapidHIT.
B9BF8U - 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.
BBVDLC - 5842	Spring proficiency 2026-8001658 analyzed by manual direct amplification using PowerPlex Fusion 6C kit. Multiple re-works attempted due to allelic dropout before successful pass of specimens "2" and "3" were achieved.
BHUU9C - 5842	NT= Not Tested. NR= No Reaction. 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. Items 2 and 3 were originally typed and resulted in partial profiles. The samples were reamplified and resulted in less data than the original. An additional half swab for Items 2 and 3 were taken through the process and resulted in no DNA profiles. The first amplification of Items 2 and 3 were replated for capillary electrophoresis and resulted in full profiles although peak heights for one of the samples was low. It appears that there is low quantity of DNA on Items 2 and 3.
BPZP6K - 5842	Results at locus DYS391 were concordant between Fusion and Y-File for each sample, respectively.
C63KZW - 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. Item 1: D21S11 has a 48% peak height imbalance that is acceptable.
CDHE47 - 5840	YSTRs not performed due to not being performed by the Databank section of the lab.
CNJQA8 - 5842	NR-no results. Direct amplification method was utilized for items 1 and 3.
DFY8A6 - 5842	RapidHit Ace cartridges were used.
DQFUEY - 5840	A partial profile was developed for items 2 and 3 using automated methods. The technician assigned to this test is not trained in manual methods so the results were reported without going through a manual process. The associated controls and other samples performed as expected.
EDQEQQ - 5842	Dear all, our lab has filled the information for 3 reference samples, based on the analysis of the STR with the PCR kit from Promega. It is the only kit that is being validated in our lab. We have submitted the genetic profiles for all samples for the STR loci amplified with the PowerPlex ESX_17 Fast.
EUGBDE - 5842	GFE amp kit used to obtain STR profiles for Items 1-3. PPY23 amp kit used to obtain YSTR profile for Item 3. Our lab's RapidHIT instrument was replaced and is currently under validation; not used to obtain any profiles.
FB7NFF - 5842	Fusion/Yfiler testing was performed on Items 1 - 3. Results were concordant at DYS391 for all tested items. NR = No results obtained.
G2VLUE - 5842	PowerPlex Fusion and Yfiler were performed on Items 1, 2, and 3. Results were concordant at overlapping locus DYS391.
KCJ2W6 - 5842	No samples were analyzed by RapidHIT.

TABLE 4

WebCode - Test	Additional Comments
KRNCH3 - 5840	No Y-STR analysis was performed.
KVNND3 - 5840	No YSTR testing was performed.
KZ4XPL - 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, the Y indel is also left blank.
L9DUU4 - 5842	All items were run by Direct Amp analysis per internal protocols. No samples were analyzed by RapidHIT.
LUBDZW - 5842	Samples were only analyzed utilizing the RapidHit ID system. The results were entered into the Additional Data Section. ACE GlobalFiler Express Cartridges were used. Item 2 had drop out and I re-ran the sample to get all of the loci.
MWHU79 - 5842	Fusion/Yfiler testing was performed on items 1-3. Results were concordant at DYS391 for all tested items. NR=No results obtained.
N8RZ8Y - 5842	Manual direct amplification with PowerPlex Fusion 6C (26 cycles), by [Name]. Item 1: Passed on first attempt. Item 2: First swab initially failed due to dropout at larger loci. Re-amplifying with max template improved data quality, but D22S1045 still failed due to dropout. Second swab was tested and also failed due to dropout. Lysate from both swabs were later re-amplified again with max template after concentrating each of them. Both passed, though data from the first swab was significantly better than the second swab. Item 3: First swab initially failed due to dropout at larger loci. Re-amplifying with max template improved data quality but D22S1045 still failed due to dropout. Second swab was tested and also failed due to dropout. Lysate from both swabs were later re-amplified again with max template after concentrating each of them. The data from the concentrated lysate from the first swab still failed due to dropout. The data from the concentrated lysate from the second swab passed, though barely above threshold.
NQP9GR - 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. Items 2 and 3 were originally typed and resulted in no profiles. The samples were reamplified and full profiles were obtained.
P499VW - 5840	Full profiles were developed for Item 1 and Item 3. A partial profile was developed for Item 2, in which allelic dropout is suspected at multiple loci. Additionally, there are multiple loci in which a single allele was detected but fell below our lab's established stochastic threshold. Item 2 was processed from sample collection through data analysis and interpretation twice using our GO! Punch method and our GO! Lysis method. If this were a database sample, it would be added to our list for samples requiring additional testing (i.e., Maxwell processing). I am currently not trained in Maxwell processing but will be in the future.
P9ZJHF - 5841	The Y indel is not analyzed by the database laboratory; therefore, Y indel is also left blank. Blank spaces in the STR results table indicate that results were not obtained at that locus.
TBBT2N - 5842	Samples were only analyzed utilizing the RapidHit ID system. The results were entered into the Additional Data Section. ACE GlobalFiler Express Cartridges were used. Had problems with item 2. Item 2 did not generate a profile on 1st run, the second swab from item 2 generated a profile but there was drop out. I then re-ran the second swab and got a full profile but there was a very noisy baseline.
UEB6WN - 5842	Rapid DNA analysis was performed on items 1, 2, and 3. ACE GlobalFiler™ Express Cartridge was used. As advised by CTS, data entered in Additional DNA tab.

TABLE 4

WebCode - Test	Additional Comments
UFPLZU - 5842	Spring proficiency test specimens were analyzed by manual direct amplification method using PowerPlex Fusion 6C chemistry. Unique findings of note were the observation of allelic dropout and negligible deoxyribonucleic acid (DNA) results obtained for half of the specimen swabs tested, in addition to, the dense makeup of the cotton substrate of the swab heads that were received. The low template results of the specimens tested are dissimilar to the routine high concentrate yield of (DNA) obtained from "swabbing the inner cheek of the mouth" collection method used for the targeted 12.5uL half amplification reaction analysis performed by the [Laboratory] in the normal day-to-day workflow. Through this testing, three of the six (6x) specimen swabs received were negligible of nucleic acid after re-amplification was performed of the existing lysate. Since the [Laboratory] does not perform quantitation there was no means by which to determine the quantity of DNA present for analysis. If quantitation was a method used by the [Laboratory], which it is not, then analysis would have concluded expeditiously without further exhaustion of resource and time for the negligible specimens. Nevertheless, after receipt of the negligible results, the remaining specimen swabs were analyzed. Analysis of the remaining specimen swabs obtained nucleic acid however of a lower template yield of (DNA) accompanied by allelic dropout. It was through the combination of multiple re-works conducted overtime, the concentrating aggregation of DNA within the existing lysate during this period of time, and the "last-resort" option of amplifying at the max (7.5uL) instead of the "initial" option to amplify at the standard (2.0uL) template, that a successful pass of the specimens was eventually obtained. Lastly, the cotton substrate of the swab heads received were observed to possess spindles of padding that were larger and denser than the smaller spindle density of the cotton padding of the swabs received into the [Laboratory] for analysis. It is possible that cotton densities may have also affected the substrate absorbency during sample preparation of the specimens as well as the nucleic acid recovery during analysis.
UWUZ9B - 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 field is also left blank.
VH98XA - 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.
VP3CNP - 5842	- : : absence of interpretable result. Markers not reported are not included in the kit used. The Y-STR was not performed on the RapiDHIT, as this instrument does not support this type of analysis.
VYDEAQ - 5842	- : : absence of interpretable result. And markers not reported are not included in the kit used.
XBJ48H - 5842	[ ] = One allele below stochastic threshold; possible drop out of a potential sister allele. The following steps were taken for Exs 2 and 3 in an effort to obtain a complete profile. Exs 2 and 3 were first taken through normal laboratory procedures. After drop out was noted, the samples were re-amped (STR's and Y-STR's), and partial profiles were obtained again. The samples were then then re-lysed and re-amped in STR's and Y-STR's. The results for the re-lyse still did not obtain complete profiles for STR's; therefore the final amp for Exs 2 and 3 will be used for interpretation and reporting. Items 1-3 were tested and charted using the PCR-based Promega Powerplex Fusion 6C System. Items 2 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.
XUWTEN - 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. Items 2 and 3 were originally typed and resulted in partial profiles. The samples were reamplified and again resulted partial profiles. The remaining full swab for Items 2 and 3 were taken through the process and resulted in full profiles.

TABLE 4

<b>WebCode - Test</b>	<b>Additional Comments</b>
Y348FG - 5842	Samples were only analyzed utilizing the RapidHit ID system. The results were entered into the Additional Data Section. ACE GlobalFiler Express Cartridges were used.
Y3NNVJ - 5840	Rapid performed on item 3 using the ACE Globalfiler Express cartridge. Results entered under the additional DNA section.

-End of Report-  
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

**Test No. 26-5840: DNA Database - Saliva**

DATA MUST BE SUBMITTED BY **April 06, 2026, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: KXXQ9E

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.

*Please note, the saliva is deposited on the FTA™ Indicating Micro Cards by dispensing the fluid onto the center of the circle.*

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

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









## 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.

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

## RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

ANAB Certificate No.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)

Submitted to CTS on:  
**NOT SUBMITTED**