



DNA-Mixture Test No. 17-5806

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 167 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1, 2, and 4 were prepared from human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 3 was a mixture prepared from human whole blood and semen. The semen sample was received frozen from an outside supplier. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Item 1 (75 μ l) was prepared using blood collected from a male donor. Item 2 (75 μ l) was created using blood collected from a female donor. Item 3 (50 μ l) was a mixture of blood from the Item 2 female and semen from a third party male donor whose known blood standard was not provided. Item 4 (50 μ l) was a 1:1 mixture that was prepared using blood from the Item 2 female donor and blood collected from the third party male donor whose semen was used in the mixture for Item 3. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 16, 2017 following completion of verification stage.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	
1	14,17.3	19,22	11,14	15,16	*	8,12
	*	10,10	12,14	*	12,14	16,22
	12,12	11,13	*	15,17	14,14	*
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
2	14,18.3	20,24	11,14	16,17	*	11,12
	*	8,10	13,14	*	13,14	16,20
	13,14	11,12	*	12,18	13,13	*
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
3-Blood	14,18.3	20,24	11,14	16,17	*	11,12
	*	8,10	13,14	*	13,14	16,20
	13,14	11,12	*	12,18	13,13	*
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
3-Semen	11,13	17,21	11.3,12	14,17	*	12,13
	*	11,12	14,15	*	12,15	20,20
	11,12	9,11	*	12,16	12,13.2	*
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
4	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	*	11,12,13
	*	8,10,11,12	13,14,15	*	12,13,14,15	16,20
	11,12,13,14	9,11,12	*	12,16,18	12,13,13.2	*
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	

YSTR Results											
Results compiled from predistribution laboratories and a consensus of at least 10 participants.											
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
1	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22	*	38	
	*	12	13	18	19	*	23	23	10	12	2
3-Semen	36,38,39	*	15,15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27	*	39	
	*	12	12	20	16	*	19	22	14	12	2
4	36,38,39	*	15,15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27	*	39	
	*	12	12	20	16	*	19	22	14	12	2

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

Summary Comments

The DNA-Mixture test is part of the DNA Sample Specific Series; where participants are advised of the body fluid(s) that make up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains containing potential mixtures. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was blood collected from a male donor. Item 2 was blood collected from a female donor. Item 3 was a mixture containing blood from the Item 2 female donor and semen from a third party male donor whose known blood standard was not provided. Item 4 was a mixture containing blood from the Item 2 female donor and blood from the third party male donor whose semen was used in Item 3. (See Manufacturer's Information for preparation details)

Of the 167 participants that returned results, 12 did not report DNA interpretations and of those, nine stated that they analyzed samples for database purposes only.

For the Item 3 stain, all 155 participants that returned results both excluded the victim (Item 1) and included the suspect (Item 2) as a possible contributor.

For the Item 4 stain, all 155 participants that returned results both excluded the victim (Item 1) and included the suspect (Item 2) as a possible contributor.

Fifteen participants reported allelic results that differed from the consensus/predistribution results. Of these, eight participants were missing alleles at one or more loci. One of these eight participants was missing alleles at 10 loci from only the female fraction in Item 3 and one was completely missing the male profile in Item 4. There were four participants that reported additional allelic results at one or more loci. Two participants reported inconsistent allelic results at one or more loci. Finally, there was one participant that reported a combination of missing and additional allelic results at one or more loci.

No participants returned results at locus DYS19 for Items 3 and 4. Thirty seven participants noted in their Additional Comments that no result was obtained at locus DYS19 for both Items 3 and 4. Several of these participants characterized this as a null allele, a few mentioning the possible source being a deletion or a primer binding site mutation.

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

238UVJ	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
2L6B4M	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
2WJ976	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
32DL9L	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
3323G9	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
399LLT	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
39TAYG	Identifiler®					
	N/A	19,22	N/A	15,16	N/A	8,12
1	N/A	10,10	12,14	N/A	N/A	N/A
	12,12	11,13	N/A	15,17	14,14	N/A
	28,29	N/A	X,Y	10,10	23,23	N/A
	N/A	N/A	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

3G223J	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
3GYCXM	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
3VKLNX	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	18,28.2	9,10	9,11	17	
447AUK	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
47EFFL	GlobalFiler™ Express					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
4RFHAG	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
62XEP9	Identifiler® Direct					
	-	19,22	-	15,16	-	8,12
1		10	12,14	-	-	-
	12	11,13	-	15,17	14	-
	28,29	-	X,Y	10	23	-
	-	-	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

6GF6V3	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
6HP8JL	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
6P9HTG	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		
6VDCPX	PowerPlex® Y23, GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
6Z6LWA	Identifiler® Plus					
		19,22		15,16		8,12
	1	10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
		9,10	9,11	17,17		
748J6H	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		
76HLVM	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		

TABLE 1

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

Item 1 - STR Results

78734A	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	18,28.2	9,10	9,11	17	
7BLMUV	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
7CFBCQ	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
7H34L6	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
7KBBRJ	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
7U2YLL	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
7XWN6E	NGM SElect					
	14,17.3	19,22	11,14	15,16		
1			12,14		12,14	16,22
		11,13		15,17	14,14	
	28,29	14,15	X,Y		23,23	
		18,28.2	9,10		17,17	

TABLE 1

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

Item 1 - STR Results

828346	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15		9,10	9,11	17	
86CQPL	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
88Z8W9	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
8A6X23	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
8DPKYW	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
8FVA26	PowerPlex® Fusion 5C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
8FXK6	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

8G76MX	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
8G9WJK	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
8JVFW	Identifiler®					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
8LHTMU	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
8MCJT9	Identifiler® Plus					
		19,22		15,16		8,12
1		10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
			9,10	9,11	17,17	
928HXG	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
9HBYZ9	PowerPlex® CS7, GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	18,28.2	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

9UBNZH	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
A2MYQN	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
A6QUCC	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
A8CEHG	PowerPlex® ESX17, GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
AGZERY	Identifiler® Plus					
		19,22		15,16		8,12
1		10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
			9,10	9,11	17,17	
AKE6YE	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
AULR49	Investigator® 24plex GO					
	14,17.3	19,22	11,14	15,16	N/A	8,12
1	N/A	10,10	12,14	N/A	12,14	16,22
	12,12	11,13	N/A	15,17	14,14	N/A
	28,29	14,15	X,Y	10,10	23,23	N/A
	N/A	18,28.2	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

B6J6KK	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
BC3D3P	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		
BHTKUB	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
BPPK4W	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
C43BF4	PowerPlex® 21					
	14,17.3	19,22		15,16		8,12
	1	13,20	10,10	12,14		16,22
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	7,11
	5,15	9,10	9,11	17,17		
C7TL9H	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	9,10	9,11	17,17		
CCWHWN	NGM SElect					
	14,17.3	19,22	11,14	15,16		
	1		12,14		12,14	16,22
		11,13		15,17	14,14	
	28,29	14,15	X,Y		23,23	
	18,28.2	9,10		17,17		

TABLE 1

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

Item 1 - STR Results

CJJ7XL	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
CZLQTN	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		
D6VKQX	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
D788K6	Identifiler®, Investigator® 24plex GO!					
	14,17.3	19,22	11,14	15,16	N/A	8,12
	1	N/A	10,10	12,14	N/A	12,14
	12,12	11,13	N/A	15,17	14,14	N/A
	28,29	14,15	X,Y	10,10	23,23	N/A
	N/A	18,28.2	9,10	9,11	17,17	
DHKKL7	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
DJAX24	NGM SElect					
	14,17.3	19,22	11,14	15,16		
	1		12,14		12,14	16,22
		11,13		15,17	14,14	
	28,29	14,15	X,Y		23,23	
	18,28.2	9,10		17,17		
DMTNQM	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		

TABLE 1

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

Item 1 - STR Results

DYPW9P	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
E8E2FV	Identifiler® Direct					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
E9BDGQ	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
EFA3XU	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
EG3XEC	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
EPV749	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
FBUU7N	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	18,28.2	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

FWCYUY	PowerPlex® ESX16 Fast					
		14,17.3	19,22	11,14	15,16	
	1			12,14		12,14
			11,13		15,17	14
		28,29	14,15	X,Y		23
			9,10		17	
FX3AMC	PowerPlex® Fusion					
		14,17.3	19,22	11,14	15,16	8,12
	1		10,10	12,14		12,14
		12,12	11,13		15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
	5,15		9,10	9,11	17,17	
G632DL	GlobalFiler™					
		14,17.3	19,22	11,14	15,16	8,12
	1		10	12,14		12,14
		12	11,13		15,17	14
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
GB9FJW	PowerPlex® Fusion 6C					
		14,17.3	19,22	11,14	15,16	8,12
	1		10,10	12,14		12,14
		12,12	11,13		15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
	5,15	18,28.2	9,10	9,11	17,17	
GLMTE7	Identifiler® Plus					
			19,22		15,16	8,12
	1		10	12,14		
		12	11,13		15,17	14
		28,29		X,Y	10	23
			9,10	9,11	17	
GP8KNN	PowerPlex® Fusion 6C					
		14,17.3	19,22	11,14	15,16	8,12
	1		10,10	12,14		12,14
		12,12	11,13		15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
	5,15	18,28.2	9,10	9,11	17,17	
H2WVD7	GlobalFiler™					
		14,17.3	19,22	11,14	15,16	8,12
	1		10,10	12,14		12,14
		12,12	11,13		15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
		18,28.2	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

H3N2PQ	Identifiler® Plus	19,22		15,16		8,12
1		10,10	12,14			
		12,12	11,13	15,17	14,14	
		28,29	X,Y	10,10	23,23	
			9,10	9,11	17,17	
HB4HKK	GlobalFiler™	19,22	11,14	15,16		8,12
1	14,17.3	10,10	12,14		12,14	16,22
		12,12	11,13	15,17	14,14	
		28,29	14,15	X,Y	10,10	23,23
		18,28.2	9,10	9,11	17,17	
HBH39P	GlobalFiler™	19,22	11,14	15,16		8,12
1	14,17.3	10	12,14		12,14	16,22
		12	11,13	15,17	14	
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
HL47HA	GlobalFiler™	19,22	11,14	15,16		8,12
1	14,17.3	10	12,14		12,14	16,22
		12	11,13	15,17	14	
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
HUG67T	Identifiler® Direct	19,22		15,16		8,12
1		10	12,14			
		12	11,13	15,17	14	
		28,29	X,Y	10	23	
			9,10	9,11	17	
HW7BN6	PowerPlex® Fusion	19,22	11,14	15,16		8,12
1	14,17.3	10,10	12,14		12,14	16,22
		12,12	11,13	15,17	14,14	
		28,29	14,15	X,Y	10,10	23,23
		5,15	9,10	9,11	17,17	7,11
HWP8Z6	GlobalFiler™	19,22	11,14	15,16		8,12
1	14,17.3	10,10	12,14		12,14	16,22
		12,12	11,13	15,17	14,14	
		28,29	14,15	X,Y	10,10	23,23
		18,28.2	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

JMWJFL	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
JPXM89	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
JR8EGP	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
JRL4FV	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	18,28.2	9,10	9,11	17	
JY7274	PowerPlex® ESI 17 PRO					
	14,17.3	19,22	11,14	15,16		
1			12,14		12,14	16,22
		11,13		15,17	14,14	
	28,29	14,15	X,Y		23,23	
		18,28.2	9,10		17,17	
K4H7JP	Identifiler® Plus					
		19,22		15,16		8,12
1		10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
			9,10	9,11	17,17	
KAL4B3	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15		9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

KANTFY	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	10	12,14			12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
KPYJAR	Identifiler® Plus					
	19,22			15,16		8,12
	10,10	12,14				
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
		9,10	9,11	17,17		
KQPPT3	PowerPlex® Fusion 5C					
	14,17.3	19,22	11,14	15,16		8,12
	10	12,14			12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	9,10	9,11	17		
KV6D9T	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
	10,10	12,14			12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
KXAZNJ	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
	10,10	12,14			12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
KYZ7Z3	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	10	12,14			12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15	18,28.2	9,10	9,11	17	
LG2476	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	10,10	12,14			12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
	18,28.2	9,10	9,11	17,17		

TABLE 1

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

Item 1 - STR Results

LJ3EUR	Identifiler® Direct					
	-	19,22	-	15,16	-	8,12
1	-	10	12,14	-	-	-
	12	11,13	-	15,17	14	-
	28,29	-	X,Y	10	23	-
	-	-	9,10	9,11	17	
LWZZM	Identifiler®					
	-	19,22	-	15,16	-	8,12
1	-	10,10	12,14	-	-	-
	12,12	11,13	-	15,17	14,14	-
	28,29	-	X,Y	10,10	23,23	-
	-	-	9,10	9,11	17,17	
M22R8Z	GlobalFiler™					
	14,17.3	19,22	11,14	15,16	-	8,12
1	-	10,10	12,14	-	12,14	16,22
	12,12	11,13	-	15,17	14,14	-
	28,29	14,15	X,Y	10,10	23,23	-
	-	18,28.2	9,10	9,11	17,17	
M7Z2G2	Identifiler® Plus					
	-	19,22	-	15,16	-	8,12
1	-	10	12,14	-	-	-
	12	11,13	-	15,17	14	-
	28,29	-	X,Y	10	23	-
	-	-	9,10	9,11	17	
M9ZALC	Identifiler® Plus					
	-	19,22	-	15,16	-	8,12
1	-	10	12,14	-	-	-
	12	11,13	-	15,17	14	-
	28,29	-	X,Y	10	23	-
	-	-	9,10	9,11	17	
MBQF4N	GlobalFiler™					
	14,17.3	19,22	11,14	15,16	-	8,12
1	-	10	12,14	-	12,14	16,22
	12	11,13	-	15,17	14	-
	28,29	14,15	X,Y	10	23	-
	-	18,28.2	9,10	9,11	17	
MCJBK6	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16	-	8,12
1	-	10,10	12,14	-	12,14	16,22
	12,12	11,13	-	15,17	14,14	-
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	-	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

ME3M2L	Identifiler® Plus	19,22		15,16		8,12
1		10,10	12,14			
		12,12	11,13	15,17	14,14	
		28,29	X,Y	10,10	23,23	
			9,10	9,11	17,17	
MKVRR6	PowerPlex® Fusion 5C	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
		12,12	11,13	15,17	14,14	
		28,29	14,15	X,Y	10,10	23,23
		5,15	9,10	9,11	17,17	7,11
MQKZMW	GlobalFiler™	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
		12	11,13	15,17	14	
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
MTAD3U	PowerPlex® Fusion 6C	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
		12	11,13	15,17	14	
		28,29	14,15	X,Y	10	23
		5,15	18,28.2	9,10	9,11	17
MXZQ3W	Identifiler®, Investigator® 24plex GO!	19,22	11,14	15,16	N/A	8,12
1		10,10	12,14	N/A	12,14	16,22
		12,12	11,13	N/A	15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
		N/A	18,28.2	9,10	9,11	17,17
N6XTN9	GlobalFiler™	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
		12	11,13	15,17	14	
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
NBLMGZ	GlobalFiler™	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
		12	11,13	15,17	14	
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

NJWWTY	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
NN9UEZ	PowerPlex® Fusion 6C					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
NVTPGP	Identifiler® Direct					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
NVVDZP	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
PFBGVC	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
PTXNQR	Identifiler® Plus, PowerPlex® 16 HS					
		19,22		15,16		8,12
1		10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
PWHDEB	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

QA3F73	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
QQ8MK4	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	7,11
	5,15		9,10	9,11	17	
QQQNCD	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
R3W22C	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
RKZQZV	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
RLC7UV	Identifiler® Plus					
		19,22		15,16		8,12
1		10	12,14			
	12	11,13		15,17	14	
	28,29		X,Y	10	23	
			9,10	9,11	17	
RLP79H	GlobalFiler™					
	14,17.3	19,22	11,14	15,16	-	8,12
1	-	10,10	12,14	-	12,14	16,22
	12,12	11,13	-	15,17	14,14	-
	28,29	14,15	X,Y	10,10	23,23	-
	-	18,28.2	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

RX8G33	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
RX8N3A	NGM Select					
	14,17.3	19,22	11,14	15,16		
1			12,14		12,14	16,22
		11,13		15,17	14	
	28,29	14,15	X,Y		23	
		18,28.2	9,10		17	
T3CKLA	Investigator ESSplex SE Plus					
	14,17.3	19,22	11,14	15,16		
1			12,14		12,14	16,22
		11,13		15,17	14,14	
	28,29	14,15	X,Y		23,23	
		18,28.2	9,10		17,17	
TBM4MK	PowerPlex® Fusion 6C Direct					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	18,28.2	9,10	9,11	17,17	
TQ2CGW	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
TT7XDA	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
TVCF6	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

U3PQ6W	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
UB4M2Q	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
UFXCRV	GlobalFiler™ Express					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	
UZ7JYH	ESI 17 FAST					
	14,17.3	19,22	11,14	15,16		
1			12,14		12,14	16,22
		11,13		15,17	14,14	
	28,29	14,15	X,Y		23,23	
		18,28.2	9,10		17,17	
VB36K8	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
VNNL6X	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
VTLVLR	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	
		18,28.2	9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

WL7F7	GlobalFiler™					
		14,17.3	19,22	11,14	15,16	8,12
	1		10	12,14		16,22
		12	11,13		15,17	14
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
WNVJ4	Identifiler® Plus					
			19,22		15,16	8,12
	1		10	12,14		
		12	11,13		15,17	14
		28,29		X,Y	10	23
			9,10	9,11	17	
VY8XHV	PowerPlex® Fusion 5C					
		14,17.3	19,22	11,14	15,16	8,12
	1		10,10	12,14		16,22
		12,12	11,13		15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
	5,15		9,10	9,11	17,17	
W8V9A3	Identifiler®					
			19,22		15,16	8,12
	1		10,10	12,14		
		12,12	11,13		15,17	14,14
		28,29		X,Y	10,10	23,23
			9,10	9,11	17,17	
WK6J76	GlobalFiler™					
		14,17.3	19,22	11,14	15,16	8,12
	1		10	12,14		16,22
		12	11,13		15,17	14
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	
WMCWPR	GlobalFiler™ Express					
		14,17.3	19,22	11,14	15,16	8,12
	1		10,10	12,14		16,22
		12,12	11,13		15,17	14,14
		28,29	14,15	X,Y	10,10	23,23
		18,28.2	9,10	9,11	17,17	
WUAQL6	GlobalFiler™					
		14,17.3	19,22	11,14	15,16	8,12
	1		10	12,14		16,22
		12	11,13		15,17	14
		28,29	14,15	X,Y	10	23
		18,28.2	9,10	9,11	17	

TABLE 1

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

Item 1 - STR Results

WW4F4Z	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
X3GV4N	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	9,10	9,11	17,17		
X8Q7ZN	GlobalFiler™					
	14,17.3	19,22	11,14	15,16	NA	8,12
	1	NA	12,14	NA	12,14	16,22
	12,12	11,13	NA	15,17	14,14	NA
	28,29	14,15	X,Y	10,10	23,23	NA
	NA	18,28.2	9,10	9,11	17,17	
XBVJ2W	PowerPlex® Fusion 5C					
	14,17.3	19,22	11,14	15,16		8,12
	1	10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15	9,10	9,11	17,17		
XNZVGV	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
XR3TRN	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		
XWWPEU	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
	1	10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
	18,28.2	9,10	9,11	17		

TABLE 1

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

Item 1 - STR Results

Y3FBYL	PowerPlex® ESX 17 fast					
	14,17.3	19,22	11,14	15,16		
1			12,14		12,14	16,22
		11,13		15,17	14	
	28,29	14,15	X,Y		23	
		18,28.2	9,10		17	
YFLBPJ	Investigator® 24plex GO!					
	14,17.3	19,22	11,14	15,16	N/A	8,12
1	N/A	10,10	12,14	N/A	12,14	16,22
	12,12	11,13	N/A	15,17	14,14	N/A
	28,29	14,15	X,Y	10,10	23,23	N/A
	N/A	18,28.2	9,10	9,11	17,17	
Z3VW82	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
Z4PMDG	Identifiler® Plus					
		19,22		15,16		8,12
1		10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
			9,10	9,11	17,17	
Z6HF7E	Identifiler® Direct					
	-	19,22	-	15,16	-	8,12
1	-	10	12,14	-	-	-
	12	11,13	-	15,17	14	-
	28,29	-	X,Y	10	23	-
	-	-	9,10	9,11	17	
Z6ZJK7	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
ZBLJUR	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	

TABLE 1

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

Item 1 - STR Results

ZJD2AL	PowerPlex® Fusion					
	14,17.3	19,22	11,14	15,16		8,12
1		10,10	12,14		12,14	16,22
	12,12	11,13		15,17	14,14	
	28,29	14,15	X,Y	10,10	23,23	7,11
	5,15		9,10	9,11	17,17	
ZKEM9L	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
ZKQPRZ	GlobalFiler™					
	14,17.3	19,22	11,14	15,16		8,12
1		10	12,14		12,14	16,22
	12	11,13		15,17	14	
	28,29	14,15	X,Y	10	23	
		18,28.2	9,10	9,11	17	
ZLJFXE	Identifiler® Plus					
		19,22		15,16		8,12
1		10,10	12,14			
	12,12	11,13		15,17	14,14	
	28,29		X,Y	10,10	23,23	
			9,10	9,11	17,17	

TABLE 1

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

Item 2 - STR Results

238UVJ	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
2L6B4M	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
2WJ976	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
32DL9L	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
3323G9	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X,X	11	20,24	
			9	8	17,20	
399LLT	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
39TAYG	Identifiler®					
	N/A	20,24	N/A	16,17	N/A	11,12
2		8,10	13,14	N/A	N/A	N/A
	13,14	11,12	N/A	12,18	13,13	N/A
	29,30	N/A	X,X	11,11	20,24	N/A
	N/A	N/A	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

3G223J	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
3GYCXM	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
3VKLNX	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X,X	11	20,24	9,12
	5,11	18,24.2	9	8	17,20	
447AUK	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
47EFFL	GlobalFiler™ Express					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
4RFHAG	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
62XEP9	Identifiler® Direct					
	-	20,24	-	16,17	-	11,12
2		8,10	13,14	-	-	-
	13,14	11,12	-	12,18	13	-
	29,30	-	X,X	11	20,24	-
	-	-	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

6GF6V3	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
6HP8JL	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
6P9HTG	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		
6VDCPX	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
6Z6LWA	Identifiler® Plus					
		20,24		16,17		11,12
	2	8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
		9,9	8,8	17,20		
748J6H	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		
76HLVM	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		

TABLE 1

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

Item 2 - STR Results

78734A	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11	18,24.2	9	8	17,20	
7BLMUV	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
7CFBCQ	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
7H34L6	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
7KBBRJ	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
7U2YLL	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
7XWN6E	NGM SElect					
	14,18.3	20,24	11,14	16,17		
2			13,14		13,14	16,20
		11,12		12,18	13,13	
	29,30	15,15	X,X		20,24	
		18,24.2	9,9		17,20	

TABLE 1

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

Item 2 - STR Results

828346	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11		9	8	17,20	
86CQPL	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
88Z8W9	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
8A6X23	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X,X	11	20,24	
			9	8	17,20	
8DPKYW	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
8FVA26	PowerPlex® Fusion 5C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
8FXXK6	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

8G76MX	PowerPlex® Fusion 6c					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
8G9WJK	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
8JVFW	Identifiler®					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
8LHTMU	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
8MCJT9	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
			9,9	8,8	17,20	
928HXG	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
9HBYZ9	PowerPlex® CS7, GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11	18,24.2	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

9UBNZH	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
A2MYQN	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
A6QUCC	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
A8CEHG	PowerPlex® ESX17, GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
AGZERY	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
			9,9	8,8	17,20	
AKE6YE	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
AULR49	Investigator® 24plex GO					
	14,18.3	20,24	11,14	16,17	N/A	11,12
2	N/A	8,10	13,14	N/A	13,14	16,20
	13,14	11,12	N/A	12,18	13,13	N/A
	29,30	15,15	X,X	11,11	20,24	N/A
	N/A	18,24.2	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

B6J6KK	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
BC3D3P	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		
BHTKUB	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X,X	11	20,24	
	18,24.2	9	8	17,20		
BPPK4W	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
C43BF4	PowerPlex® 21					
	14,18.3	20,24		16,17		11,12
	2	8,10	13,14			16,20
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	9,12
	5,11	9,9	8,8	17,20		
C7TL9H	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	9,9	8,8	17,20		
CCWHWN	NGM SElect					
	14,18.3	20,24	11,14	16,17		
	2		13,14		13,14	16,20
		11,12		12,18	13,13	
	29,30	15,15	X,X		20,24	
	18,24.2	9,9		17,20		

TABLE 1

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

Item 2 - STR Results

CJJ7XL	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
CZLQTN	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		
D6VKQX	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
D788K6	Identifiler®, Investigator® 24plex GO!					
	14,18.3	20,24	11,14	16,17	N/A	11,12
	2	N/A	13,14	N/A	13,14	16,20
	13,14	11,12	N/A	12,18	13,13	N/A
	29,30	15,15	X,X	11,11	20,24	N/A
	N/A	18,24.2	9,9	8,8	17,20	
DHKKL7	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
DJAX24	NGM SElect					
	14,18.3	20,24	11,14	16,17		
	2		13,14		13,14	16,20
		11,12		12,18	13,13	
	29,30	15,15	X,X		20,24	
	18,24.2	9,9		17,20		
DMTNQM	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		

TABLE 1

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

Item 2 - STR Results

DYPW9P	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
E8E2FV	Identifiler® Direct					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X,X	11	20,24	
			9	8	17,20	
E9BDGQ	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
EFA3XU	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
EG3XEC	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
EPV749	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
FBUU7N	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11	18,24.2	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

FWCYUY	PowerPlex® ESX16 Fast					
		14,18.3	20,24	11,14	16,17	
	2			13,14		13,14 16,20
			11,12		12,18	13
		29,30	15	X		20,24
			9		17,20	
FX3AMC	PowerPlex® Fusion					
		14,18.3	20,24	11,14	16,17	11,12
	2		8,10	13,14		13,14 16,20
		13,14	11,12		12,18	13,13
		29,30	15,15	X,X	11,11	20,24 9,12
	5,11		9,9	8,8	17,20	
G632DL	GlobalFiler™					
		14,18.3	20,24	11,14	16,17	11,12
	2		8,10	13,14		13,14 16,20
		13,14	11,12		12,18	13
		29,30	15	X,X	11	20,24 9,12
		18,24.2	9	8	17,20	
GB9FJW	PowerPlex® Fusion 6C					
		14,18.3	20,24	11,14	16,17	11,12
	2		8,10	13,14		13,14 16,20
		13,14	11,12		12,18	13,13
		29,30	15,15	X,X	11,11	20,24 9,12
	5,11	18,24.2	9,9	8,8	17,20	
GLMTE7	Identifiler® Plus					
			20,24		16,17	11,12
	2		8,10	13,14		
		13,14	11,12		12,18	13
		29,30		X	11	20,24
			9	8	17,20	
GP8KNN	PowerPlex® Fusion 6C					
		14,18.3	20,24	11,14	16,17	11,12
	2		8,10	13,14		13,14 16,20
		13,14	11,12		12,18	13,13
		29,30	15,15	X,X	11,11	20,24 9,12
	5,11	18,24.2	9,9	8,8	17,20	
H2WVD7	GlobalFiler™					
		14,18.3	20,24	11,14	16,17	11,12
	2		8,10	13,14		13,14 16,20
		13,14	11,12		12,18	13,13
		29,30	15,15	X,X	11,11	20,24
		18,24.2	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

H3N2PQ	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
		13,14	11,12	12,18	13,13	
		29,30	X,X	11,11	20,24	
			9,9	8,8	17,20	
HB4HKK	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13,13	
		29,30	15,15	X,X	11,11	20,24
		18,24.2	9,9	8,8	17,20	
HBH39P	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13	
		29,30	15	X	11	20,24
		18,24.2	9	8	17,20	
HL47HA	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13	
		29,30	15	X	11	20,24
		18,24.2	9	8	17,20	
HUG67T	Identifiler® Direct					
		20,24		16,17		11,12
2		8,10	13,14			
		13,14	11,12	12,18	13	
		29,30	X,X	11	20,24	
			9	8	17,20	
HW7BN6	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13,13	
		29,30	15,15	X,X	11,11	20,24
		5,11	9,9	8,8	17,20	9,12
HWP8Z6	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13,13	
		29,30	15,15	X,X	11,11	20,24
		18,24.2	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

JMWJFL	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
JPXM89	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
JR8EGP	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
JRL4FV	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11	18,24.2	9	8	17,20	
JY7274	PowerPlex® ESI 17 PRO					
	14,18.3	20,24	11,14	16,17		
2			13,14		13,14	16,20
		11,12		12,18	13,13	
	29,30	15,15	X,X		20,24	
		18,24.2	9,9		17,20	
K4H7JP	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
			9,9	8,8	17,20	
KAL4B3	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X,X	11	20,24	9,12
	5,11		9	8	17,20	

TABLE 1

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

Item 2 - STR Results

KANTFY	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
KPYJAR	Identifiler® Plus					
		20,24		16,17		11,12
	2	8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
		9,9	8,8	17,20		
KQPPT3	PowerPlex® Fusion 5C					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11	9	8	17,20		
KV6D9T	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
KXAZNJ	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
KYZ7Z3	PowerPlex® Fusion 6C, GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X,X	11	20,24	9,12
	5,11	18,24.2	9	8	17,20	
LG2476	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
	18,24.2	9,9	8,8	17,20		

TABLE 1

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

Item 2 - STR Results

LJ3EUR	Identifiler® Direct					
	-	20,24	-	16,17	-	11,12
2	-	8,10	13,14	-	-	-
	13,14	11,12	-	12,18	13	-
	29,30	-	XX	11	20,24	-
	-	-	9	8	17,20	
LWZZM	Identifiler®					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		XX	11,11	20,24	
			9,9	8,8	17,20	
M22R8Z	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	XX	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
M7Z2G2	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
M9ZALC	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
MBQF4N	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
MCJBK6	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	XX	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

ME3M2L	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
		13,14	11,12	12,18	13,13	
		29,30	X,X	11,11	20,24	
			9,9	8,8	17,20	
MKVRR6	PowerPlex® Fusion 5C					
		20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13,13	
		29,30	15,15	X,X	11,11	20,24
		5,11	9,9	8,8	17,20	9,12
MQKZMW	GlobalFiler™					
		20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13	
		29,30	15	X,X	11	20,24
		18,24.2	9	8	17,20	
MTAD3U	PowerPlex® Fusion 6C					
		20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13	
		29,30	15	X	11	20,24
		5,11	18,24.2	9	8	17,20
MXZQ3W	Identifiler®, Investigator® 24plex GO!					
		20,24	11,14	16,17	N/A	11,12
2		8,10	13,14	N/A	13,14	16,20
		13,14	11,12	N/A	12,18	13,13
		29,30	15,15	X,X	11,11	20,24
		N/A	18,24.2	9,9	8,8	17,20
N6XTN9	GlobalFiler™					
		20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13	
		29,30	15	X	11	20,24
		18,24.2	9	8	17,20	
NBLMGZ	GlobalFiler™					
		20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
		13,14	11,12	12,18	13	
		29,30	15	X,X	11	20,24
		18,24.2	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

NJWWTY	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
NN9UEZ	PowerPlex® Fusion 6C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
NVTPGP	Identifiler® Direct					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X,X	11	20,24	
			9	8	17,20	
NVVDZP	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
PFBGVC	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
PTXNQR	Identifiler® Plus, PowerPlex® 16 HS					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
PWHDEB	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

QA3F73	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
QQ8MK4	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	9,12
	5,11		9	8	17,20	
QQQNCD	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
R3W22C	Identifiler® Pllus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
RKZQZV	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
RLC7UV	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
RLP79H	GlobalFiler™					
	14,18.3	20,24	11,14	16,17	-	11,12
2		8,10	13,14	-	13,14	16,20
	13,14	11,12	-	12,18	13,13	-
	29,30	15,15	X,X	11,11	20,24	-
	-	18,24.2	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

RX8G33	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
RX8N3A	NGM Select					
	14,18.3	20,24	11,14	16,17		
2			13,14		13,14	16,20
		11,12		12,18	13	
	29,30	15	X,X		20,24	
		18,24.2	9		17,20	
T3CKLA	AmpFISTR® NGM SElect™ PCR Amplification Kit					
	14,18.3	20,24	11,14	16,17		
2			13,14		13,14	16,20
		11,12		12,18	13,13	
	29,30	15,15	X,X		20,24	
		18,24.2	9,9		17,20	
TBM4MK	PowerPlex® Fusion 6C Direct					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	18,24.2	9,9	8,8	17,20	
TQ2CGW	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
TT7XDA	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
TVCF6	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

U3PQ6W	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
UB4M2Q	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
UFXCRV	GlobalFiler™ Express					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
UZ7JYH	ESI 17 FAST					
	14,18.3	20,24	11,14	16,17		
2			13,14		13,14	16,20
		11,12		12,18	13,13	
	29,30	15,15	X,X		20,24	
		18,24.2	9,9		17,20	
VB36K8	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
VNNL6X	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
VTLVLR	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

WL7F7	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
WNVJ4	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
VY8XHV	PowerPlex® Fusion 5C					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
W8V9A3	Identifiler®					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
			9,9	8,8	17,20	
WK6J76	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
WMCWPR	GlobalFiler™ Express					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
WUAQL6	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	

TABLE 1

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

Item 2 - STR Results

WV4F4Z	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
X3GV4N	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	9,9	8,8	17,20		
X8Q7ZN	GlobalFiler™					
	14,18.3	20,24	11,14	16,17	NA	11,12
	2	8,10	13,14	NA	13,14	16,20
	13,14	11,12	NA	12,18	13,13	NA
	29,30	15,15	X,X	11,11	20,24	NA
	NA	18,24.2	9,9	8,8	17,20	
XBVJ2W	PowerPlex® FUSION 5C					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11	9,9	8,8	17,20		
XNZVGV	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		
XR3TRN	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X,X	11	20,24	
	18,24.2	9	8	17,20		
XWWPEU	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
	2	8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
	18,24.2	9	8	17,20		

TABLE 1

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

Item 2 - STR Results

Y3FBYL	PowerPlex® ESX 17 fast					
	14,18.3	20,24	11,14	16,17		
2			13,14		13,14	16,20
		11,12		12,18	13	
	29,30	15	X		20,24	
		18,24.2	9		17,20	
YFLBPJ	Investigator® 24plex GO!					
	14,18.3	20,24	11,14	16,17	N/A	11,12
2	N/A	8,10	13,14	N/A	13,14	16,20
	13,14	11,12	N/A	12,18	13,13	N/A
	29,30	15,15	X,X	11,11	20,24	N/A
	N/A	18,24.2	9,9	8,8	17,20	
Z3VW82	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
Z4PMDG	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
			9,9	8,8	17,20	
Z6HF7E	Identifiler® Direct					
	-	20,24	-	16,17	-	11,12
2	-	8,10	13,14	-	-	-
	13,14	11,12	-	12,18	13	-
	29,30	-	X,X	11	20,24	-
	-	-	9	8	17,20	
Z6ZJK7	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
ZBLIUR	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	

TABLE 1

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

Item 2 - STR Results

ZJD2AL	PowerPlex® Fusion					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	9,12
	5,11		9,9	8,8	17,20	
ZKEM9L	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X,X	11	20,24	
		18,24.2	9	8	17,20	
ZKQPRZ	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
2		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13	
	29,30	15	X	11	20,24	
		18,24.2	9	8	17,20	
ZLJFXE	Identifiler® Plus					
		20,24		16,17		11,12
2		8,10	13,14			
	13,14	11,12		12,18	13,13	
	29,30		X,X	11,11	20,24	
			9,9	8,8	17,20	

TABLE 1

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

Item 3 - STR Results

3VKLNx	PowerPlex® Fusion 6C					
	11,13,18.3	17,20,21	11.3,12,14	14,16,17		11,12,13
3		10,11,12	13,14,15		12,14,15	20
	11,12,13,14	9,11,12		12,16	12,13,13.2	
	29,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7	17,18,24.2,27.2	6,9	8,11	17,18	
6GF6V3	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
7XWN6E	NGM SElect					
	11,13,[14],[18.3]	17,[20],21,[24]	[11],11.3,12,[14]	14,[16],17		
3			[13],14,15		12,[13],[14],15	[16],20
		9,11,[12]		12,16,[18]	12,[13],13.2	
	[29],[30],31.2	15,15	X,Y		[20],21,22,[24]	
		17,[18],[24.2],27.2	6,9		17,18,[20]	
88Z8W9	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
BPPK4W	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
CCWHWN	NGM SElect					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
3			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
DYPW9P	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3 - STR Results

HB4HKK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
HBH39P	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
JR8EGP	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
PFBGVC	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
RX8N3A	NGM SElect					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
3			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
T3CKLA	AmpFISTR® NGM SElect™ PCR Amplification Kit					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
3			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
UZ7JYH	ESI 17 FAST					
	11,13,[14],[18.3]	17,21,[24]	[11],11.3,12,[14]	14,17		
3			14,15		12,15	[16],20
		9,11,[12]		12,16,[18]	12,[13],13.2	
	[29],[30],31.2	15	X,Y		21,22,[24]	
		17,[24.2],27.2	6,9		17,18,[20]	

TABLE 1

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

Item 3 - STR Results

Z6ZJK7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

238UVJ	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	[13],14,[15]		12,13,14,15	[16],20
	[11],[12],13,14	[9],11,12		12,[16],18	12,13,[13.2]	
	29,30,31.2	15,15	X,[Y]	11,[12]	20,21,22,24	
		17,18,24.2,27.2	[6],9	8,[11]	17,[18],[20]	
2L6B4M	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
2WJ976	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,[11.3],[12],14	14,16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,[Y]	11,12	20,21,22,24	9,[11],12
	5,[7],11	[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
32DL9L	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
3323G9	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
399LLT	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
39TAYG	Identifiler®					
	N/A	17,20,21,24	N/A	14,16,17	N/A	11,12,13
3e	N/A	8,10,11,12	13,14,15	N/A	N/A	N/A
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	N/A	X,Y	11,12	20,21,22,24	N/A
	N/A	N/A	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

3G223J	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
3GYCXM	PowerPlex® Fusion 6C					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,[31.2]	15,15	X,X,[Y]	11,12	20,[21],[22],24	9,[11],12
	5,[7],11	[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
447AUK	PowerPlex® Fusion 6C					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,[31.2]	15,15	X,[Y]	11,[12]	20,[21],[22],24	9,[11],12
	5,[7],11	[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
47EFFL	GlobalFiler™					
	11,13,14,18.3	(17),20,21,24	11,11.3,12,14	(14),16,17		11,12,(13)
3e		8,10,(11),(12)	13,14,(15)		12,13,14,15	16,20
	(11),12,13,14	(9),11,12		12,(16),18	(12),13,(13.2)	
	29,30,31.2	15,15	X,X,(Y)	11,11,(12)	20,(21),22,24	
		(17),18,24.2,(27.2)	(6),9,9	8,8,(11)	17,(18),20	
4RFHAG	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
62XEP9	Identifiler® Plus					
	-	17,20,21,24	-	14,16,17	-	11,12,13
3e		8,10,11,12	13,14,15	-	-	-
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	-	X,Y	11,12	20,21,22,24	-
	-	-	6,9	8,11	17,18,20	
6HP8JL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

6P9HTG	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
6VDCPX	PowerPlex® Y23, GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
6Z6LWA	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
748J6H	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
76HLVM	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
78734A	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
7BLMUV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

7CFBCQ	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
7KBBRJ	GlobalFiler™					
	[11],13,14,18.3	17,20,[21],24	11,[11.3],12,14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		12,13,14,[15]	16,20
	[11],12,13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
7U2YLL	GlobalFiler™					
	[11,13],14,18.3	17,20,21,24	11,[11.3,12],14	[14],16,17		11,12,[13]
3e		8,10,[11,12]	13,14,[15]		[12],13,14,[15]	16,20
	11,12,13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,[12]	20,[21,22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
828346	PowerPlex® Fusion					
	[11,13],14,18.3	[17],20,[21],24	11,[11.3,12],14	14,16,17		11,12,[13]
3e		8,10,[11,12]	13,14,[15]		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,[12]	20,[21,22],24	9,[11],12
	5,[7],11		[6],9	8,[11]	17,[18],20	
86CQPL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
8A6X23	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
8DPKYW	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	11,12,13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	

TABLE 1

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

Item 3e - STR Results

8FVA26	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
8G76MX	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,[12],14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,[27.2]	6,9	8,[11]	17,18,20	
8G9WJK	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,[31.2]	15	X,[Y]	11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
8JVFW	Identifiler®					
		20,24		16,17		11,12
3e		8,10	13,14			
	13,14	11,12		12,18	13	
	29,30		X	11	20,24	
			9	8	17,20	
8LHTMU	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
8MCJT9	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
928HXG	GlobalFiler™					
	(13),14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,(13)
3e		8,10,(11)	13,14,(15)		12,13,14,(15)	16,20
	11,(12),13,14	9,11,12		12,(16),18	(12),13,(13.2)	
	29,30,31.2	15,15	X,X,(Y)	11,12	20,21,(22),24	
		17,18,24.2,(27.2)	(6),9,9	8,8,(11)	17,(18),20	

TABLE 1

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

Item 3e - STR Results

9HBYZ9	PowerPlex® CS7, GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
9UBNZH	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
A6QUCC	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
A8CEHG	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,[16],18	12,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,21,22,24	
		17,18,24.2,27.2	[6],9,9	8,8,[11]	17,18,20	
AGZERY	Identifiler® Plus					
		20,21,24		16,17		11,12
3e		8,10	13,14,15			
	12,13,14	11,12		12,18	13,13	
	29,30,31.2		X,X	11,12	20,24	
			6,9	8,8	17,20	
AKE6YE	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],12,13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9	8,8	17,[18],20	
AULR49	Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
3e	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

B6J6KK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
BC3D3P	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
BHTKUB	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		10,11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,19,20		
C43BF4	PowerPlex® 21					
	11,13,14,18.3	17,20,21,24		14,16,17		11,12,13
	3e	11,19	8,10,11,12	13,14,15		16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	6,9	8,11	17,18,20		
C7TL9H	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	6,9	8,11	17,18,20		
CJJ7XL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
CZLQTN	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		

TABLE 1

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

Item 3e - STR Results

D788K6	Identifiler®, Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
3e	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	
DHKKL7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
DJAX24	NGM SElect					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
3e			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
DMTNQM	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
E8E2FV	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
E9BDGQ	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
EFA3XU	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

EG3XEC	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
EPV749	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
FBUU7N	PowerPlex® Fusion 6C					
	[11,13],14,18.3	[17],20,[21],24	11,[11.3,12],14	[14],16,17		11,12,[13]
3e		8,10,[11,12]	13,14,[15]		13,14,[15]	16,20
	[11,12],13,14	[9],11,12		12,[16],18	13,[13.2]	
	29,30,[31.2]	15	X,[Y]	11,[12]	20,[21,22],24	9,[11],12
	5,[7],11	[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
FWCYUY	PowerPlex® ESX16 Fast					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
3e			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
			6,9		17,18,20	
FX3AMC	PowerPlex® fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
G632DL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
GB9FJW	PowerPlex® Fusion 6C					
	11,13,14,18.3	(17),20,(21),24	11,(11.3),12,14	(14),16,17		11,12,(13)
3e		8,10,(11),12	13,14,15		(12),13,14,(15)	16,20
	11,(12),13,14	9,11,12		12,(16),18	(12),13,13.2	
	29,30,31.2	15	X,(Y)	11,12	20,(21),22,24	9,(11),12
	5,7,11	17,18,24.2,27.2	6,9	8,(11)	17,(18),20	

TABLE 1

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

Item 3e - STR Results

GLMTE7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
H2WVD7	GlobalFiler™					
	11,[13],14,18.3	17,20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,11,12	13,14,[15]		12,13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,18	[12],13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
H3N2PQ	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
HL47HA	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
HUG67T	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
HW7BN6	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
HWP8Z6	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

JPXM89	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
JRL4FV	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
JY7274	PowerPlex® ESI 17 PRO					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		
3e			13,14,[15]		[12],13,14,[15]	16,20
		[9],11,12		12,16,18	[12],13,13,[13.2]	
	29,30,[31.2]		X,X		20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9		17,[18],20	
K4H7JP	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
KANTFY	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
KPYJAR	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
KQPPT3	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

KV6D9T	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,[21],24	11,11.3,[12],14	14,16,17	N/A	11,12,[13]
	N/A	8,10,[11],[12]	13,14,[15]	N/A	12,13,14,[15]	16,20
	[11],12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,[21],22,24	9,[11],12
5,[7],11	[17],18,24.2,[27.2]	6,9	8,[11]	17,[18],20		
KYZ7Z3	PowerPlex® ESI17Pro/ESX17					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
	17,18,24.2,27.2	6,9		17,18,20		
LG2476	GlobalFiler™					
	11,13,14,18.3	[17],20,21,24	11,11.3,12,14	14,16,17		11,12,[13]
		8,10,11,12	13,14,[15]		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,21,22,24	
	17,18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20		
LJ3EUR	Identifiler® Plus					
	-	17,20,21,24	-	14,16,17	-	11,12,13
	-	8,10,11,12	13,14,15	-	-	-
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	-	X,Y	11,12	20,21,22,24	-
-	-	6,9	8,11	17,18,20		
LVZZM	Identifiler®					
		17,20,21,24		14,16,17		11,12,13
		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
		6,9	8,11	17,18,20		
M22R8Z	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[12],[13]
		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[12],[16],18	[12],13,13,[13.2]	
	29,30,[31.2]	15,15,[15],[15]	X,X,[X],[Y]	11,11,[12]	20,[21],[22],24	
	[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[17],[18],20		
M7Z2G2	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		

TABLE 1

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

Item 3e - STR Results

M9ZALC	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
MBQF4N	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
MCJBK6	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	6,9	8,11	17,18,20		
ME3M2L	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
	3e	8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
		6,9	8,11	17,18,20		
MKVRR6	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	6,9	8,11	17,18,20		
MQKZMW	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
MTAD3U	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

MXZQ3W	Identifiler®, Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
3e	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	
NBLMGZ	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
NJWWTY	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
NN9UEZ	PowerPlex® Fusion 6C					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,[31.2]	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	9,[11],12
	5,[7],11	[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
NVTPGP	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
NVDZP	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,13
3e		8,10,[11],[12]	13,14,15		[12],13,14,[15]	16,20
	[11],[12],13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,[Y]	11,12	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,18,20	
PTXNQR	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

PWHDEB	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
QA3F73	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
QQ8MK4	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
QQQNCD	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
QVMDTK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
R3W22C	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
RKZQZV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

RLC7UV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
RLP79H	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	-	11,12,13
3e	-	8,10,11	13,14	-	12,13,14,15	16,20
	11,12,13,14	9,11,12	-	12,18	12,13,13.2	-
	29,30	15	X,Y	11,12	20,24	-
	-	18,24.2	9	8	17,18,20	
RX8G33	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
TQ2CGW	GlobalFiler™					
	{11},13,14,18.3	17,{20},21,24	11,[11.3],[12],14	[14],[16],17		11,12,[13]
3e		8,10,[{11}],[{12}]	13,14,[15]		12,13,14,15	[16],20
	11,{12},13,14	{9},11,12		12,[{16}],18	[{12}],13,[13.2]	
	29,30,31.2	15,15	X,[{Y}]	11,[12]	20,21,{22},24	
		17,18,24.2,{27.2}	[6],9	8,8,[{11}]	17,[{18}],20	
TT7XDA	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
TVCF6	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
U3PQ6W	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

UB4M2Q	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
UFXCRV	GlobalFiler™					
	[11],[13],14,18.3	17,20,[21],24	11,11.3,14	[14],16,17		11,12,[13]
3e		8,10,[11],12	13,14,[15]		[12],13,14,[15]	16,20
	[11],13,14	[9],11,12		12,[16],18	12,13	
	29,[30],31.2	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	
		17,18,24.2	[6],9,9	8,8	17,[18],20	
VB36K8	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
VNNL6X	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
VTLVLR	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WL7F7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WNVJ4	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

VXD33E	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
VY8XHV	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
W8V9A3	Identifiler®					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
WK6J76	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WMCWPR	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WUAQL6	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WW4F4Z	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

X3GV4N	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
X8Q7ZN	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17	NA	11,12,[13]
	3e	NA	8,10,[11],[12]	13,14,[15]	NA	[12],13,14,[15]
	[11],[12],13,14	[9],11,12	NA	12,[16],18	[12],13,13,[13.2]	NA
	29,30,[31.2]	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	NA
	NA	[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
XBVJ2W	PowerPlex® FUSION 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
XNZVGV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
XR3TRN	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
XWWPEU	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	3e	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
Y3FBYL	PowerPlex® ESX 17 fast					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
	3e		13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	

TABLE 1

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

Item 3e - STR Results

YFLBPJ	Identifiler®, Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
3e	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	
Z3VW82	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
Z4PMDG	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
Z6HF7E	Identifiler® Plus					
	-	17,20,21,24	-	14,16,17	-	11,12,13
3e	-	8,10,11,12	13,14,15	-	-	-
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	-	X,Y	11,12	20,21,22,24	-
	-	-	6,9	8,11	17,18,20	
ZBLJUR	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
ZJD2AL	PowerPlex® Fusion					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
3e		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,[31.2]	15	X,[Y]	11,[12]	20,[21],[22],24	9,[11],12
	5,[7],11		[6],9	8,[11]	17,[18],20	
ZKEM9L	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 3e - STR Results

ZKQPRZ	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
3e		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
ZLJFXE	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,[13]
3e		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			[6],9	8,[11]	17,18,20	

TABLE 1

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

Item 3sp - STR Results

238UVJ	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
2L6B4M	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
2WJ976	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
32DL9L	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
3323G9	Identifiler® Plus					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2		X,Y	12	21,22	
		6,9	8,11	17,18		
399LLT	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
39TAYG	Identifiler®					
	N/A	17,21	N/A	14,17	N/A	12,13
	3sp	N/A	14,15	N/A	N/A	N/A
	11,12	9,11	N/A	12,16	12,13.2	N/A
	31.2,31.2	N/A	X,Y	12,12	21,22	N/A
	N/A	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

3G223J	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
3GYCXM	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
447AUK	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
47EFFL	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
		17,27.2	6,9	8,11	17,18	
4RFHAG	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,[13],13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7		6,9	8,11	17,18	
62XEP9	Identifiler® Plus					
	-	17,21	-	14,17	-	12,13
	3sp	11,12	14,15	-	-	-
	11,12	9,11	-	12,16	12,13.2	-
	31.2	-	X,Y	12	21,22	-
	-	-	6,9	8,11	17,18	
6HP8JL	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

6P9HTG	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
6VDCPX	PowerPlex® Y23, GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
6Z6LWA	Identifiler® Plus					
	17,21			14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
		6,9	8,11	17,18		
748J6H	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
76HLVM	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
78734A	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
7BLMUV	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

7CFBCQ	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
7KBBRJ	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
7U2YLL	GlobalFiler™					
	11,13	17,21	11.3,12,[14]	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	[29],31.2	15	X,Y	12	21,22,[24]	
	17,27.2	6,9	8,11	17,18		
828346	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7	6,9	8,11	17,18		
86CQPL	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
8A6X23	Identifiler® Plus					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2		X,Y	12	21,22	
		6,9	8,11	17,18		
8DPKYW	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

8FVA26	PowerPlex® Fusion 5C					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		12,15
		11,12	9,11		12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
	5,7		6,9	8,11	17,18	
8G76MX	PowerPlex® Fusion 6C					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		12,15
		11,12	9,11		12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
	5,7	17,27.2	6,9	8,11	17,18	
8G9WJK	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		12,15
		11,12	9,11		12,16	12,13.2
		31.2	15	X,Y	12	21,22
		17,27.2	6,9	8,11	17,18	
8JVFW	Identifiler®					
			17,21		14,17	12,13
	3sp		11,12	14,15		
		11,12	9,11		12,16	12,13.2
		31.2		X,Y	12	21,22
			6,9	8,11	17,18	
8LHTMU	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		12,15
		11,12	9,11		12,16	12,13.2
		31.2	15	X,Y	12	21,22
		17,27.2	6,9	8,11	17,18	
8MCJT9	Identifiler® Plus					
			17,21		14,17	12,13
	3sp		11,12	14,15		
		11,12	9,11		12,16	12,13.2
		31.2,31.2		X,Y	12,12	21,22
			6,9	8,11	17,18	
928HXG	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		12,15
		11,12	9,11		12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
		17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

9HBYZ9	PowerPlex® CS7, GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		20
		11,12	9,11		12,16	12,13.2
		31.2	15	X,Y	12	21,22
	5,7	17,27.2	6,9	8,11	17,18	
9UBNZH	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		20
		11,12	9,11		12,16	12,13.2
		31.2	15	X,Y	12	21,22
		17,27.2	6,9	8,11	17,18	
A6QUCC	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		20,20
		11,12	9,11		12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
		17,27.2	6,9	8,11	17,18	
A8CEHG	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		20,20
		11,12	9,11		12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
		17,27.2	6,9	8,11	17,18	
AGZERY	Identifiler® Plus					
			17,21		14,17	12,13
	3sp		11,12	14,15		
		11,12	9,11		12,16	12,13.2
		31.2,31.2		X,Y	12,12	21,22
			6,9	8,11	17,18	
AKE6YE	GlobalFiler™					
		11,13	17,21	11.3,12	14,17	12,13
	3sp		11,12	14,15		20,20
		11,12	9,11		12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
		17,27.2	6,9	8,11	17,18	
AULR49	Investigator® 24plex QS					
		11,13	17,21	11.3,12	14,17	N/A
	3sp		11,12	14,15	N/A	20,20
		11,12	9,11	N/A	12,16	12,13.2
		31.2,31.2	15,15	X,Y	12,12	21,22
	N/A	17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

B6J6KK	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
BC3D3P	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
BHTKUB	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
C43BF4	PowerPlex® 21					
	11,13	17,21		14,17		12,13
	3sp	11,12	14,15			20
	11,12	9,11		12,16	12,13.2	
	31.2		X,Y	12	21,22	11,12
	5,7	6,9	8,11	17,18		
C7TL9H	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	6,9	8,11	17,18		
CJJ7XL	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
CZLQTN	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

D788K6	Identifiler®, Investigator® 24plex QS					
	11,13	17,21	11.3,12	14,17	N/A	12,13
3sp	N/A	11,12	14,15	N/A	12,15	20,20
	11,12	9,11	N/A	12,16	12,13.2	N/A
	31.2,31.2	15,15	X,Y	12,12	21,22	N/A
	N/A	17,27.2	6,9	8,11	17,18	
DHKKL7	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18	
DJAX24	NGM SElect					
	11,13	17,21	11.3,12	14,17		
3sp			14,15		12,15	20,20
		9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y		21,22	
		17,27.2	6,9		17,18	
DMTNQM	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
		17,27.2	6,9	8,11	17,18	
E8E2FV	Identifiler® Plus					
		17,21		14,17		12,13
3sp		11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2		X,Y	12	21,22	
			6,9	8,11	17,18	
E9BDGQ	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
EFA3XU	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

EG3XEC	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
EPV749	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
FBUU7N	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
FWCYUY	PowerPlex® ESX16 Fast					
	11,13	17,21	11.3,12	14,17		
	3sp		14,15		12,15	20
		9,11		12,16	12,13.2	
	31.2	15	X,Y		21,22	
		6,9		17,18		
FX3AMC	PowerPlex® fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
G632DL	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
GB9FJW	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

GLMTE7	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
H2WVD7	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
H3N2PQ	Identifiler® Plus					
	17,21			14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
		6,9	8,11	17,18		
HL47HA	GlobalFiler™					
	11,13,[14]	17,21,[24]	11.3,12,[14]	14,[16],17		[11],12,13
	3sp	11,12	14,15		12,15	20
	11,12,[13],[14]	9,11,[12]		12,16	12,[13],13.2	
	[30],31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18,[20]		
HUG67T	Identifiler® Plus					
	17,21			14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2		X,Y	12	21,22	
		6,9	8,11	17,18		
HW7BN6	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	6,9	8,11	17,18		
HWP8Z6	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

JPXM89	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
JRL4FV	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	
JY7274	PowerPlex® ESI 17 PRO					
	11,13	17,21	11.3,12	14,17		
	3sp		14,15		12,15	20,20
		9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y		21,22	
	17,27.2	6,9		17,18		
K4H7JP	Identifiler® Plus					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
		6,9	8,11	17,18		
KANTFY	GlobalFiler™					
	11,13	17,21,24	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
KPYJAR	Identifiler® Plus					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
		6,9	8,11	17,18		
KQPPT3	PowerPlex® Fusion 5C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	16,20
	11,12	9,11,12		12,16	12,13,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7,11		6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

KV6D9T	PowerPlex® Fusion 6C						
		11,13	17,21	11.3,12	14,17	N/A	12,13
	3sp	N/A	11,12	14,15	N/A	12,15	20,20
		11,12	9,11	N/A	12,16	12,13.2	N/A
		31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18		
KYZ7Z3	PowerPlex® ESI17Pro/ESX17						
		11,13	17,21	11.3,12	14,17		
	3sp			14,15		12,15	20
			9,11		12,16	12,13.2	
		31.2	15	X,Y		21,22	
		17,27.2	6,9		17,18		
LG2476	GlobalFiler™						
		11,13	17,21	11.3,12	14,17		12,13
	3sp		11,12	14,15		12,15	20,20
		11,12	9,11		12,16	12,13.2	
		31.2,31.2	15,15	X,Y	12,12	21,22	
		17,27.2	6,9	8,11	17,18		
LJ3EUR	Identifiler® Plus						
		-	17,21	-	14,17	-	12,13
	3sp	-	11,12	14,15	-	-	-
		11,12	9,11	-	12,16	12,13.2	-
		31.2	-	X,Y	12	21,22	-
	-	-	6,9	8,11	17,18		
LVZZM	Identifiler®						
			17,21		14,17		12,13
	3sp		11,12	14,15			
		11,12	9,11		12,16	12,13.2	
		31.2,31.2		X,Y	12,12	21,22	
			6,9	8,11	17,18		
M22R8Z	GlobalFiler™						
		11,13,[14]	17,21,[24]	11.3,12	14,[16],17		12,13
	3sp		11,12	14,15		12,15	20,20
		11,12,[13]	9,11		12,16	12,13.2	
		[29],31.2,31.2	15,15	X,Y	12,12	21,22,[24]	
		17,[24.2],27.2	6,9	8,11	17,18		
M7Z2G2	GlobalFiler™						
		11,13	17,21	11.3,12	14,17		12,13
	3sp		11,12	14,15		12,15	20
		11,12	9,11		12,16	12,13.2	
		31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

M9ZALC	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
MBQF4N	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
MCJBK6	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	6,9	8,11	17,18		
ME3M2L	Identifiler® Plus					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
		6,9	8,11	17,18		
MKVRR6	PowerPlex® Fusion 5C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	6,9	8,11	17,18		
MQKZMW	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
MTAD3U	PowerPlex® Fusion 6C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

MXZQ3W	Identifiler®, Investigator® 24plex QS						
		11,13	17,21	11.3,12	14,17	N/A	12,13
	3sp	N/A	11,12	14,15	N/A	12,15	20,20
		11,12	9,11	N/A	12,16	12,13.2	N/A
		31.2,31.2	15,15	X,Y	12,12	21,22	N/A
	N/A	17,27.2	6,9	8,11	17,18		
NBLMGZ	GlobalFiler™						
		11,13	17,21	11.3,12	14,17		12,13
	3sp		11,12	14,15		12,15	20
		11,12	9,11		12,16	12,13.2	
		31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18		
NJWWTY	GlobalFiler™						
		11,13	17,21	11.3,12	14,17		12,13
	3sp		11,12	14,15		12,15	20
		11,12	9,11		12,16	12,13.2	
		31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18		
NN9UEZ	PowerPlex® Fusion 6C						
		11,13	17,21	11.3,12	14,17		12,13
	3sp		11,12	14,15		12,15	20,20
		11,12	9,11		12,16	12,13.2	
		31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	17,27.2	6,9	8,11	17,18		
NVTPGP	Identifiler® Plus						
			17,21		14,17		12,13
	3sp		11,12	14,15			
		11,12	9,11		12,16	12,13.2	
		31.2		X,Y	12	21,22	
			6,9	8,11	17,18		
NVDZP	GlobalFiler™						
		11,13	17,21	11.3,12	14,17		12,13
	3sp		11,12	14,15		12,15	20
		11,12	9,11		12,16	12,13.2	
		31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18		
PTXNQR	Identifiler® Plus						
			17,21		14,17		12,13
	3sp		11,12	14,15			
		11,12	9,11		12,16	12,13.2	
		31.2		X,Y	12	21,22	
			6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

PWHDEB	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
QA3F73	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	6,9	8,11	17,18		
QQ8MK4	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7	6,9	8,11	17,18		
QQQNCD	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
QVMDTK	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
R3W22C	Identifiler® Plus					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2		X,Y	12	21,22	
		6,9	8,11	17,18		
RKZQZV	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

RLC7UV	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
RLP79H	GlobalFiler™					
	11,13	17,21	11.3,12	14,17	-	12,13
	3sp	-	14,15	-	12,15	20
	11,12	9,11	-	12,16	12,13.2	-
	31.2	15	X,Y	12	21,22	-
	17,27.2	6,9	8,11	17,18		
RX8G33	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
TQ2CGW	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
TT7XDA	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
TVCF6	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
U3PQ6W	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

UB4M2Q	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
UFXCRV	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
VB36K8	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
VNNL6X	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
VTLVLR	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
WL7F7	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
WNVJ4	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

VXD33E	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
VY8XHV	PowerPlex® Fusion 5C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7	6,9	8,11	17,18		
W8V9A3	Identifiler®					
		17,21		14,17		12,13
	3sp	11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
		6,9	8,11	17,18		
WK6J76	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
WMCWPR	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	
	17,27.2	6,9	8,11	17,18		
WUAQL6	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
WV4F4Z	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		

TABLE 1

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

Item 3sp - STR Results

X3GV4N	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,[16],17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7		6,9	8,11	17,18	
X8Q7ZN	GlobalFiler™					
	11,13	17,21	11.3,12	14,17	NA	12,13
	3sp	NA	14,15	NA	12,15	20,20
	11,12	9,11	NA	12,16	12,13.2	NA
	31.2,31.2	15,15	X,Y	12,12	21,22	NA
	NA	17,27.2	6,9	8,11	17,18	
XBVJ2W	PowerPlex® FUSION 5C					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
XNZVGV	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	16,20
	11,12	9,11		12,16	12,13.2	
	31.2	15,18	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18,20		
XR3TRN	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
XWWPEU	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
	3sp	11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
	17,27.2	6,9	8,11	17,18		
Y3FBYL	PowerPlex® ESX 17 fast					
	11,13	17,21	11.3,12	14,17		
	3sp		14,15		12,15	20
		9,11		12,16	12,13.2	
	31.2	15	X,Y		21,22	
	17,27.2	6,9		17,18		

TABLE 1

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

Item 3sp - STR Results

YFLBPJ	Identifiler®, Investigator® 24plex QS					
	11,13	17,21	11.3,12	14,17	N/A	12,13
3sp	N/A	11,12	14,15	N/A	12,15	20,20
	11,12	9,11	N/A	12,16	12,13.2	N/A
	31.2,31.2	15,15	X,Y	12,12	21,22	N/A
	N/A	17,27.2	6,9	8,11	17,18	
Z3VW82	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18	
Z4PMDG	Identifiler® Plus					
		17,21		14,17		12,13
3sp		11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
			6,9	8,11	17,18	
Z6HF7E	Identifiler® Plus					
	-	17,21	-	14,17	-	12,13
3sp	-	11,12	14,15	-	-	-
	11,12	9,11	-	12,16	12,13.2	-
	31.2	-	X,Y	12	21,22	-
	-	-	6,9	8,11	17,18	
ZBLJUR	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20,20
	11,12	9,11		12,16	12,13.2	
	31.2,31.2	15,15	X,Y	12,12	21,22	11,12
	5,7		6,9	8,11	17,18	
ZJD2AL	PowerPlex® Fusion					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	11,12
	5,7		6,9	8,11	17,18	
ZKEM9L	GlobalFiler™					
	11,13	17,21	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20
	11,12	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22	
		17,27.2	6,9	8,11	17,18	

TABLE 1

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

Item 3sp - STR Results

ZKQPRZ	GlobalFiler™					
	11,13	17,21,24	11.3,12	14,17		12,13
3sp		11,12	14,15		12,15	20
	11,12,14	9,11		12,16	12,13.2	
	31.2	15	X,Y	12	21,22,24	
		17,24.2,27.2	6,9	8,11	17,18	
ZLJFXE	Identifiler® Plus					
		17,21		14,17		12,13
3sp		11,12	14,15			
	11,12	9,11		12,16	12,13.2	
	31.2,31.2		X,Y	12,12	21,22	
			6,9	8,11	17,18	

TABLE 1

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

Item 4 - STR Results

238UVJ	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
4		8,10,11,[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15,15	X,[Y]	11,12	20,[21],[22],24	
		17,18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
2L6B4M	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
2WJ976	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
32DL9L	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
3323G9	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
399LLT	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
39TAYG	Identifiler®					
	N/A	17,20,21,24	N/A	14,16,17	N/A	11,12,13
4	N/A	8,10,11,12	13,14,15	N/A	N/A	N/A
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	N/A	X,Y	11,12	20,21,22,24	N/A
	N/A	N/A	6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

3G223J	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
3GYCXM	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
3VKLNX	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
447AUK	PowerPlex® Fusion 6C					
	[11],[13],14,18.3	[17],20,[21],24	11,11.3,12,14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		12,13,14,15	16,20
	[11],[12],13,14	[9],11,12		12,16,18	[12],13,[13.2]	
	29,30,31.2	15,15	X,[Y]	11,[12]	20,[21],[22],24	9,[11],12
	5,[7],11	17,18,24.2,27.2	[6],9	8,[11]	17,18,20	
47EFL	GlobalFiler™					
	11,13,14,18.3	(17),20,(21),24	11,11.3,12,14	14,16,17		11,12,(13)
4		8,10,(11),(12)	13,14,(15)		12,13,14,(15)	16,20
	11,12,13,14	(9),11,12		12,(16),18	(12),13,(13.2)	
	29,30,31.2	15,15	X,X,(Y)	11,12	20,(21),22,24	
		17,18,24.2,(27.2)	(6),9,9	8,8,(11)	17,(18),20	
4RFHAG	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
62XEP9	Identifiler® Plus					
	-	17,20,21,24	-	14,16,17	-	11,12,13
4		8,10,11,12	13,14,15	-	-	-
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	-	X,Y	11,12	20,21,22,24	-
	-	-	6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

6GF6V3	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
6HP8JL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
6P9HTG	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
6VDCPX	PowerPlex® Y23, GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
6Z6LWA	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
748J6H	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17,[17]		11,12,[12],[13]
4		8,10,[11],[12]	13,14,[14],[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,[11],12		12,[12],[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15,[15],[15]	X,X,[X],[Y]	11,11,[12],[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9,[9]	8,8,[8],[11]	17,[17],[18],20	
76HLVM	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

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78734A	PowerPlex® Fusion					
	11,13,14,18.3	17,20,[21],24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,[13.2]	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	[6],9	8,[11]	17,18,20	
7BLMUV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
7CFBCQ	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,11.3,12,14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		12,13,14,15	16,20
	[11],[12],13,14	9,11,12		12,[16],18	12,13,13.2	
	29,30,31.2	15	X,[Y]	11,12	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,18,20	
7KBRRJ	GlobalFiler™					
	11,13,14,18.3	17,20,[21],24	11,11.3,12,14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		12,13,14,[15]	16,20
	[11],12,13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,[21],[22],24	
		17,18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
7U2YLL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
7XWN6E	NGM SElect					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15,15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
828346	PowerPlex® Fusion					
	11,13,14,18.3	17,20,[21],24	11,[11.3,12],14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,12	20,[21,22],24	9,[11],12
	5,[7],11		[6],9	8,[11]	17,[18],20	

TABLE 1

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

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86CQPL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
88Z8W9	GlobalFiler™					
	14,18.3	20,24	11,14	16,17		11,12
4		8,10	13,14		13,14	16,20
	13,14	11,12		12,18	13,13	
	29,30	15,15	X,X	11,11	20,24	
		18,24.2	9,9	8,8	17,20	
8A6X23	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
8DPKYW	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,12	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	
8FVA26	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
8G76MX	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	[6],9	8,11	17,18,20	
8G9WJK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

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8JVFHW	Identifiler®	[17],20,[21],24		[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]			
		[11],[12],13,14	[9],11,12	12,[16],18	[12],13,[13.2]	
		29,30,[31.2]	X,[Y]	11,[12]	20,[21],[22],24	
			[6],9	8,[11]	17,[18],20	
8LHTMU	GlobalFiler™					
		11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	11,12,13
4			8,10,11,12	13,14,15		12,13,14,15
		11,12,13,14	9,11,12	12,16,18	12,13,13.2	16,20
		29,30,31.2	15	X,Y	11,12	20,21,22,24
			17,18,24.2,27.2	6,9	8,11	17,18,20
8MCJT9	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
		11,12,13,14	9,11,12	12,16,18	12,13,13.2	
		29,30,31.2	X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
928HXG	GlobalFiler™					
		11,13,14,18.3	(17),20,21,24	11,11.3,12,14	(14),16,17	11,12,13
4			8,10,(11),12	13,14,(15)		12,13,14,(15)
		11,12,13,14	9,11,12	12,(16),18	(12),13,(13.2)	16,20
		29,30,31.2	15,15	X,X,(Y)	11,12	20,21,(22),24
			17,18,24.2,27.2	(6),9,9	8,8,(11)	17,18,20
9HBYZ9	PowerPlex® CS7, GlobalFiler™					
		11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	11,12,13
4			8,10,11,12	13,14,15		12,13,14,15
		11,12,13,14	9,11,12	12,16,18	12,13,13.2	16,20
		29,30,31.2	15	X,Y	11,12	20,21,22,24
		5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20
9UBNZH	GlobalFiler™					
		11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	11,12,13
4			8,10,11,12	13,14,15		12,13,14,15
		11,12,13,14	9,11,12	12,16,18	12,13,13.2	16,20
		29,30,31.2	15	X,Y	11,12	20,21,22,24
			17,18,24.2,27.2	6,9	8,11	17,18,20
A6QUCC	GlobalFiler™					
		11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	11,12,13
4			8,10,11,12	13,14,15		12,13,14,15
		11,12,13,14	9,11,12	12,16,18	12,13,13.2	16,20
		29,30,31.2	15	X,Y	11,12	20,21,22,24
			17,18,24.2,27.2	6,9	8,11	17,18,20

TABLE 1

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

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A8CEHG	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,[13]
	4	8,10,11,[12]	13,14,[15]		12,13,14,[15]	16,20
	11,[12],13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,[21],22,24	
	17,18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20		
AGZERY	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
	4	8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
		6,9	8,11	17,18,20		
AKE6YE	GlobalFiler™					
	11,13,14,18.3	[17],20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,[12]	13,14,[15]		12,13,14,15	16,20
	11,12,13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,21,22,24	
	17,18,24.2,27.2	[6],9,9	8,8,[11]	17,[18],20		
AULR49	Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
	4	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	
B6J6KK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
BC3D3P	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	14,16,17		11,12,13
	4	8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,16,18	[12],13,[13.2]	
	29,30,31.2	15,15	X,[Y]	11,12	20,[21],[22],24	
	[17],18,24.2,[27.2]	6,9	8,11	17,[18],20		
BHTKUB	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		

TABLE 1

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

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BPPK4W	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
C43BF4	PowerPlex® 21					
	11,13,14,18.3	17,20,21,24		14,16,17		11,12,13
4	11,19	8,10,11,12	13,14,15			16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
C7TL9H	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
CCWHWN	NGM SElect					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
CJJ7XL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
CZLQTN	GlobalFiler™					
	(11),(13),14,18.3	(17),20,(21),24	11,(11.3),(12),14	(14),16,17		11,12,(13)
4		8,10,(11),(12)	13,14,(15)		(12),13,14,(15)	16,20
	(11),(12),13,14	(9),11,12		12,(16),18	(12),13,(13.2)	
	29,30,(31.2)	15,15	X,(Y)	11,(12)	20,(21),(22),24	
		(17),18,24.2,(27.2)	(6),9	8,(11)	17,(18),20	
D788K6	Identifiler®, Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
4	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

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DHKKL7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
DJAX24	NGM Select					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15		12,13,14,(15)	16,20
		9,11,12		12,16,18	12,13,(13.2)	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,(18),20	
DMTNQM	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
DYPW9P	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
E8E2FV	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
E9BDGQ	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
EFA3XU	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,[18],20	

TABLE 1

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

Item 4 - STR Results

EG3XEC	PowerPlex® Fusion					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,[31.2]	15	X,[Y]	11,12	20,[21],[22],24	9,[11],12
	5,[7],11		[6],9	8,[11]	17,[18],20	
EPV749	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,[31.2]	15,15	X,X,[Y]	11,12	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
FBUU7N	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
FWCYUY	PowerPlex® ESX16 Fast					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
			6,9		17,18,20	
FX3AMC	PowerPlex® fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
G632DL	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
GB9FJW	PowerPlex® Fusion 6C					
	13,14,18.3	[(17)],20,[(21)],24	11,(11.3),12,14	[(14)],16,17		11,12,[(13)]
4		8,10,(11),(12)	13,14,[(15)]		12,13,14,15	16,20
	11,(12),13,14	[(9)],11,12		12,(16),18	13,[(13.2)]	
	29,30,31.2	15	X,[(Y)]	11,12	20,21,22,24	9,[(11)],12
	5,7,11	[(17)],18,24.2,[(27.2)]	[(6)],9	8,[(11)]	17,[(18)],20	

TABLE 1

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

Item 4 - STR Results

GLMTE7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
H2WVD7	GlobalFiler™					
	11,13,14,18.3	[17],20,21,24	11,11.3,[12],14	14,16,17		11,12,[13]
4		8,10,11,12	13,14,15		12,13,14,[15]	16,20
	11,12,13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
		17,18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
H3N2PQ	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
HB4HKK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
HBH39P	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
HL47HA	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
HUG67T	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

HW7BN6	PowerPlex® Fusion					
4	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,[12]	20,[21],[22],24	9,[11],12
	5,[7],11		[6],9	8,[11]	17,[18],20	
HWP8Z6	GlobalFiler™					
4	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
JPXM89	GlobalFiler™					
4	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
JR8EGP	GlobalFiler™					
4	(11),(13),14,18.3	(17),20,(21),24	11,(11.3),(12),14	(14),16,17		11,12,(13)
		8,10,(11),(12)	13,14,(15)		(12),13,14,(15)	(16),20
	(11),(12),13,14	(9),11,12		12,(16),18	(12),13,(13.2)	
	29,30,31.2	15	X,(Y)	11,(12)	20,(21),(22),24	
		(17),18,24.2,(27.2)	(6),9	8,(11)	17,(18),20	
JRL4FV	PowerPlex® Fusion 6C					
4	[11],13,14,18.3	[17],20,[21],24	11,11.3,12,14	14,16,17		11,12,13
		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15	X,[Y]	11,12	20,[21,22],24	9,[11],12
	5,7,11	17,18,24.2,27.2	[6],9	8,[11]	17,18,20	
JY7274	PowerPlex® ESI 17 PRO					
4	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],12,14	[14],[16],17		
			13,14,[15]		[12],13,14,[15]	[16],20
		[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]		20,[21],22,[22]	
		[17],18,[24.2],[27.2]	[6],9,9		17,[18],[20]	
K4H7JP	Identifiler® Plus					
4		17,20,21,24		14,16,17		11,12,13
		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

KANTFY	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
	17,18,24.2,27.2	6,9	8,11	17,18,20		
KPYJAR	Identifiler® Plus					
		[17],20,[21],24		[14],16,17		11,12,[13]
	4	8,10,[11],[12]	13,14,[15]			
	[11],[12],13,14	9,11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2		X,X,[X,Y]	11,12	20,[21],[22],24	
		6,9	8,11	17,[18],20		
KQPPT3	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	6,9	8,11	17,18,20		
KV6D9T	PowerPlex® Fusion 6C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
	4	N/A	8,10,11,12	13,14,[15]	N/A	12,13,14,15
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20	
KYZ7Z3	PowerPlex® ESI17Pro/ESX17					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
	4		13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
	17,18,24.2,27.2	6,9		17,18,20		
LG2476	GlobalFiler™					
	11,13,14,18.3	17,20,[21],24	11,11.3,12,14	14,16,17		11,12,[13]
	4	8,10,[11],[12]	13,14,[15]		12,13,14,[15]	16,20
	11,12,13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,21,22,24	
	17,18,24.2,27.2	[6],9,9	8,8,[11]	17,[18],20		
LJ3EUR	Identifiler® Plus					
	-	17,20,21,24	-	14,16,17	-	11,12,13
	4	8,10,11,12	13,14,15	-	-	-
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	-	X,Y	11,12	20,21,22,24	-
	-	6,9	8,11	17,18,20		

TABLE 1

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

Item 4 - STR Results

LWZZM	Identifiler®	17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
M22R8Z	GlobalFiler™	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]		[12],13,14,[15]	16,20
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,[31.2]	15,15,[15],[15]	X,X,[X],[Y]	11,11,[12]	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
M7Z2G2	GlobalFiler™	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
M9ZALC	GlobalFiler™	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
MBQF4N	GlobalFiler™	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
MCJBK6	PowerPlex® Fusion	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,19,20	
ME3M2L	Identifiler® Plus	17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18		
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

MKVRR6	PowerPlex® Fusion 5C						
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13	
	4		8,10,11,12	13,14,15	12,13,14,15	16,20	
		11,12,13,14	9,11,12		12,16,18	12,13,13.2	
		29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20		
MQKZMW	GlobalFiler™						
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13	
	4		8,10,11,12	13,14,15	12,13,14,15	16,20	
		11,12,13,14	9,11,12		12,16,18	12,13,13.2	
		29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
		17,18,24.2,27.2	6,9	8,11	17,18,20		
MTAD3U	PowerPlex® Fusion 6C						
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13	
	4		8,10,11,12	13,14,15	12,13,14,15	16,20	
		11,12,13,14	9,11,12		12,16,18	12,13,13.2	
		29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11	17,18,24.2,27.2	6,9	8,11	17,18,20		
MXZQ3W	Identifiler®, Investigator® 24plex QS						
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13	
	4	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
		11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
		29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20		
NBLMGZ	GlobalFiler™						
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13	
	4		8,10,11,12	13,14,15	12,13,14,15	16,20	
		11,12,13,14	9,11,12		12,16,18	12,13,13.2	
		29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
		17,18,24.2,27.2	6,9	8,11	17,18,20		
NJWWTY	GlobalFiler™						
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13	
	4		8,10,11,12	13,14,15	12,13,14,15	16,20	
		11,12,13,14	9,11,12		12,16,18	12,13,13.2	
		29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
		17,18,24.2,27.2	6,9	8,11	17,18,20		
NN9UEZ	PowerPlex® Fusion 6C						
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	[14],16,17		11,12,[13]	
	4		8,10,[11],[12]	13,14,[15]	[12],13,14,[15]	16,20	
		[11],[12],13,14	[9],11,12		12,[16],18	12,13,13.2	
		29,30,31.2	15,15	X,X,[Y]	11,11,[12]	20,[21],[22],24	9,[11],12
	5,[7],11	[17],18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20		

TABLE 1

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

Item 4 - STR Results

NVTPGP	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
NVDZP	GlobalFiler™					
	[11],[13],14,18.3	[17],20,[21],24	11,[11.3],[12],14	14,16,17		11,12,13
4		8,10,[11],[12]	13,14,15		[12],13,14,[15]	16,20
	[11],[12],13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,[Y]	11,12	20,[21],[22],24	
		[17],18,24.2,[27.2]	[6],9	8,[11]	17,18,20	
PFBGVC	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,17,18	12,13,13.2	
	29,30,31.2	15,15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
PTXNQR	Identifiler®					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
PWHDEB	GlobalFiler™					
	(11),(13),14,18.3	(17),20,(21),24	11,(11.3),(12),14	(14),16,17		11,12,(13)
4		8,10,(11),(12)	13,14,(15)		(12),13,14,(15)	16,20
	(11),(12),13,14	(9),11,12		12,(16),18	(12),13,13,(13.2)	
	29,30,31.2	15,15	X,X,(Y)	11,11,(12)	20,(21),(22),24	
		(17),18,24.2,(27.2)	(6),9,9	8,8,(11)	17,(18),20	
QA3F73	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
QQ8MK4	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

QQQNC	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	9	8,11	17,18,20	
QVMDTK	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
R3W22C	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
RKZQZV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
RLC7UV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
RLP79H	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	-	11,12,13
4	-	8,10,11,12	13,14,15	-	12,13,14,15	16,20
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	15	X,Y	11,12	20,21,22,24	-
	-	17,18,24.2,27.2	6,9	8	17,18,20	
RX8G33	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

RX8N3A	NGM SElect					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
T3CKLA	AmpFISTR® NGM SElect™ PCR Amplification Kit					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	
TQ2CGW	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,{11.3},{12},14	{14},16,17		11,12,13
4		8,10,{11},{12}	13,14,{15}		{12},13,14,{15}	16,20
	11,12,13,14	{9},11,12		12,[16],[18]	{12},13,{13.2}	
	29,30,31.2	15,15	X,X,{Y}	11,[12]	20,{21},{22},24	
		[17],18,[24.2],[27.2]	{6},9,9	8,8,{11}	17,{18},20	
TT7XDA	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
TVCFC6	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
U3PQ6W	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
UB4M2Q	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

UFXCRV	GlobalFiler™					
	11,13,14,18.3	17,20,[21],24	11,11.3,12,14	[14],16,17		11,12,[13]
4		8,10,[11],12	13,14,15		12,13,14,[15]	16,20
	11,12,13,14	9,11,12		12,[16],18	12,13,[13.2]	
	29,30,31.2	15,15	X,X,[Y]	11,12	20,21,22,24	
		17,18,24.2,[27.2]	[6],9,9	8,8,[11]	17,[18],20	
UZ7JYH	ESI 17 FAST					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
4			13,14,15,16		12,13,14,15	16,20
		9,11,12		12,16,17,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,19,20	
VB36K8	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
VNNL6X	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
VTLVLR	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WL7F7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WNVJ4	GlobalFiler™					
	13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

VXD33E	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
VY8XHV	PowerPlex® Fusion 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
W8V9A3	Identifiler®					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
WK6J76	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WMCWPR	GlobalFiler™					
	[11,13],14,18.3	[17],20,[21],24	11,[11.3,12],14	[14],16,17		11,12,[13]
4		8,10,[11,12]	13,14,[15]		[12],13,14,[15]	16,20
	[11,12],13,14	[9],11,12		12,[16],18	[12],13,13,[13.2]	
	29,30,31.2	15,15	X,[Y]	11,12	20,[21,22],24	
		[17],18,24.2,[27.2]	[6],9,9	8,8,[11,Q]	17,[18],20	
WUAQL6	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
WV4F4Z	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

X3GV4N	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
X8Q7ZN	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	NA	11,12,13
	4	8,10,11,12	13,14,15	NA	12,13,14,15	16,20
	11,12,13,14	9,11,12	NA	12,16,18	12,13,13.2	NA
	29,30,31.2	15	X,Y	11,12	20,21,22,24	NA
	NA	17,18,24.2,27.2	6,9	8,11	17,18,20	
XBVJ2W	PowerPlex® FUSION 5C					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
XNZVGV	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
XR3TRN	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
XWWPEU	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
	4	8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
Y3FBYL	PowerPlex® ESX 17 fast					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		
	4		13,14,15		12,13,14,15	16,20
		9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y		20,21,22,24	
		17,18,24.2,27.2	6,9		17,18,20	

TABLE 1

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

Item 4 - STR Results

YFLBPJ	Investigator® 24plex QS					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17	N/A	11,12,13
4	N/A	8,10,11,12	13,14,15	N/A	12,13,14,15	16,20
	11,12,13,14	9,11,12	N/A	12,16,18	12,13,13.2	N/A
	29,30,31.2	15	X,Y	11,12	20,21,22,24	N/A
	N/A	17,18,24.2,27.2	6,9	8,11	17,18,20	
Z3VW82	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
Z4PMDG	Identifiler® Plus					
		17,20,21,24		14,16,17		11,12,13
4		8,10,11,12	13,14,15			
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2		X,Y	11,12	20,21,22,24	
			6,9	8,11	17,18,20	
Z6HF7E	Identifiler® Plus					
	-	17,20,21,24	-	14,16,17	-	11,12,13
4	-	8,10,11,12	13,14,15	-	-	-
	11,12,13,14	9,11,12	-	12,16,18	12,13,13.2	-
	29,30,31.2	-	X,Y	11,12	20,21,22,24	-
	-	-	6,9	8,11	17,18,20	
Z6ZJK7	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
ZBLJUR	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	
ZJD2AL	PowerPlex® Fusion					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	9,11,12
	5,7,11		6,9	8,11	17,18,20	

TABLE 1

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

Item 4 - STR Results

ZKEM9L	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
ZKQPRZ	GlobalFiler™					
	11,13,14,18.3	17,20,21,24	11,11.3,12,14	14,16,17		11,12,13
4		8,10,11,12	13,14,15		12,13,14,15	16,20
	11,12,13,14	9,11,12		12,16,18	12,13,13.2	
	29,30,31.2	15	X,Y	11,12	20,21,22,24	
		17,18,24.2,27.2	6,9	8,11	17,18,20	
ZLJFXE	Identifiler® Plus					
		[17],20,[21],24		[14],16,17		11,12,[13]
4		8,10,[11],[12]	13,14,[15]			
	[11],[12],13,14	[9],11,12		12,[16],18	[12],13,[13.2]	
	29,30,31.2		X,Y	11,[12]	20,[21],[22],24	
			[6],9	8,[11]	17,[18],20	

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kit									
Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518

Item 1 - YSTR Results

238UVJ	GlobalFiler™									
1	10									
	2									
2L6B4M	Yfiler™									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17					
	23									
	12									
2WJ976	Yfiler™, PowerPlex® Fusion 6C									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17					
	18									
	19									
	23									
	12									
32DL9L	Yfiler™									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17					
	23									
	12									
3323G9	Yfiler™									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17					
	23									
	12									
399LLT										
1	10									
	2									
39TAYG	Yfiler™									
1	N/A	16	11,14	13	29	23	10	13	14	15
	12	12	19	N/A	16	17	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
	N/A									
3G223J	PowerPlex® Fusion									
1	10									
3GYCXM	PowerPlex® Y 23									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17		22			
	12	13	18	19			23	10	12	
3VKLNK	PowerPlex® Y 23									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17		22			
	12	13	18	19			23	10	12	
447AUK	PowerPlex® Y 23									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17		22			
	12	13	18	19			23	10	12	
47EFL	GlobalFiler™									
1	10									
	2									

TABLE 2

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

Item 1 - YSTR Results

4RFHAG	PowerPlex® Fusion										
1	10										
62XEP9	Yfiler™										
1	-	16	11,14	13	29	23	10	13	14	15	
	12	12	19	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	12	-
6GF6V3	GlobalFiler™										
1	10										
	2										
6HP8JL	Yfiler™ Plus, GlobalFiler™										
1	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22	38		
		12		18	19		23	23	12	2	
6P9HTG	Yfiler™										
1		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17					
								23	12	2	
6VDCPX	PowerPlex® Y 23, GlobalFiler™										
1		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17		22			
		12	13	18	19			23	10	12	2
6Z6LWA	PowerPlex® Y 23										
1		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17		22			
		12	13	18	19			23	10	12	
748J6H	Yfiler™										
1		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17					
								23	12	2	
76HLVM	Yfiler™ Plus, GlobalFiler™										
1	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22	38		
		12		18	19		23	23	12	2	
78734A	PowerPlex® Fusion 6C										
1	10										
			18	19							
7BLMUV	GlobalFiler™										
1	10										
	2										
7CFBCQ											
1	10										
	2										

TABLE 2

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

Item 1 - YSTR Results

7H34L6	GlobalFiler™									
1	10									
	2									
7KBBRJ	GlobalFiler™									
1	10									
	2									
7U2YLL	Yfiler™ Plus, GlobalFiler™									
1	35,37	16	11,14	13	29	23	10	13	14	15
	12	12	19	28	16	17	11	22		38
		12		18	19		23	23		12
										2
828346	PowerPlex® Y 23									
1		16	11,14	13	29	23	10	13	14	15
		12	12	19	16	17		22		
		12	13	18	19			23	10	12
86CQPL	Yfiler™ Plus, GlobalFiler™									
1	35,37	16	11,14	13	29	23	10	13	14	15
	12	12	19	28	16	17	11	22		38
		12		18	19		23	23		12
										2
88Z8W9	GlobalFiler™									
1	10									
	2									
8A6X23	Yfiler™									
1		16	11,14	13	29	23	10	13	14	15
		12	12	19	16	17				
								23		12
8DPKYW	Yfiler™ Plus									
1	35,37	16	11,14	13	29	23	10	13	14	15
	12	12	19	28	16	17	11	22		38
		12		18	19		23	23		12
										2
8FVA26	PowerPlex® Y 23									
1		16	11,14	13	29	23	10	13	14	15
		12	12	19	16	17		22		
		12	13	18	19			23	10	12
8FXXK6	GlobalFiler™									
1	10									
	2									
8G76MX	Yfiler™, PowerPlex® Fusion 6C									
1		16	11,14	13	29	23	10	13	14	15
		12	12	19	16	17				
				18	19			23		12
8G9WJK	Yfiler™ Plus, GlobalFiler™									
1	35,37	16	11,14	13	29	23	10	13	14	15
	12	12	19	28	16	17	11	22		38
		12		18	19		23	23		12
										2

TABLE 2

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

Item 1 - YSTR Results

8LHTMU	GlobalFiler™										
1											10
											2
8MCJT9	PowerPlex® Y 23										
1	12	16	11,14	13	29	23	10	13	14	15	
	12	12	19	18	19	17		22	23	10	12
928HXG	GlobalFiler™										
1											10
											2
9HBYZ9	Yfiler™ Plus										
1	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22	38		
	12			18	19		23	23	12	2	
9UBNZH	Yfiler™ Plus, GlobalFiler™										
1	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22	38		
	12			18	19		23	23	12	2	
A2MYQN	Yfiler™, GlobalFiler™										
1	12	16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17		23	12	2	
A6QUCC	GlobalFiler™										
1											10
											2
A8CEHG	PowerPlex® Y 23										
1	12	16	11,14	13	29	23	10	13	14	15	
	12	12	19	18	19	17		22	23	10	12
AKE6YE	GlobalFiler™										
1											10
											2
AULR49	Investigator® 24plex GO										
1	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B6J6KK	GlobalFiler™										
1											10
											2
BC3D3P	GlobalFiler™										
1											10
											2

TABLE 2

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

Item 1 - YSTR Results

BHTKUB	PowerPlex® Y 23, GlobalFiler™										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17		22				
	12	13	18	19			23	10	12	2	
BPPK4W	GlobalFiler™										
						10					
1											2
C7L9H	PowerPlex® Fusion										
						10					
1											
CJJ7XL	Yfiler™, GlobalFiler™										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17						
							23		12	2	
D6VKQX	GlobalFiler™										
						10					
1											2
D788K6	Investigator® 24plex GO!										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DHKKL7	Yfiler™, GlobalFiler™										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17						
							23		12	2	
DJAX24	PowerPlex® Y 23										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17		22				
	12	13	18	19			23	10	12		
DMTNQM	GlobalFiler™ YINDEL, dys391										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17		22				
	12	13	18	19			23	10	12	2	
E8E2FV	Yfiler™										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17						
							23		12		
E9BDGQ	Yfiler™, PowerPlex® Fusion 6C										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17						
			18	19			23		12		
EFA3XU	Yfiler™, GlobalFiler™										
	16	11,14	13	29	23	10	13	14	15		
1	12	12	19	16	17						
							23		12	2	

TABLE 2

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

Item 1 - YSTR Results

EG3XEC	PowerPlex® Fusion									
1	10									
EPV749	Yfiler™, GlobalFiler™									
1	12	16	11,14	13	29	23	10	13	14	15
			19		16	17		23		12
										2
FBUU7N	PowerPlex® Fusion 6C									
1	10									
			18	19						
FX3AMC	PowerPlex® Fusion									
1	10									
G632DL	Yfiler™, GlobalFiler™ Y-Indel, DYS391									
1	12	16	11,14	13	29	23	10	13	14	15
			19		16	17		23		12
										2
GB9FJW	Yfiler™, PowerPlex® Fusion 6C									
1	12	16	11,14	13	29	23	10	13	14	15
			19		16	17		23		12
				18	19					
GLMTE7	Yfiler™									
1	12	16	11,14	13	29	23	10	13	14	15
			19		16	17		23		12
GP8KNN	Yfiler™, PowerPlex® Fusion 6C									
1	12	16	11,14	13	29	23	10	13	14	15
			19		16	17		23		12
				18	19					
H2WWD7	GlobalFiler™									
1	10									
										2
HB4HKK	GlobalFiler™									
1	10									
										2
HBH39P	GlobalFiler™									
1	10									
										2
HL47HA	Yfiler™ Plus, GlobalFiler™									
1	35,37	16	11,14	13	29	23	10	13	14	15
	12	12	19	28	16	17	11	22		38
		12		18	19		23	23		12
										2

TABLE 2

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

Item 1 - YSTR Results

HUG67T	Yfiler™	16	11,14	13	29	23	10	13	14	15	
1		12	12	19		16	17				
								23			12
HW7BN6	PowerPlex® Y 23	16	11,14	13	29	23	10	13	14	15	
1		12	12	19		16	17	22			
		12	13	18	19			23	10	12	
HWP8Z6	GlobalFiler™						10				
1											2
JMWJFL	Yfiler™, PowerPlex® Fusion 6C	16	11,14	13	29	23	10	13	14	15	
1		12	12	19		16	17				
				18	19			23			12
JPX89	Yfiler™ Plus, GlobalFiler™	35,37	16	11,14	13	29	23	10	13	14	15
1		12	12	19	28	16	17	11	22		38
		12		18	19			23	23		12
JR8EGP	PowerPlex® Y 23, GlobalFiler™	16	11,14	13	29	23	10	13	14	15	
1		12	12	19		16	17	22			
		12	13	18	19			23	10	12	2
JRL4FV	PowerPlex® Fusion 6C						10				
1											
				18	19						
KAL4B3	PowerPlex® Fusion						10				
1											
KANTFY	Yfiler™ plus, GlobalFiler™ Y indel	35,37	16	11,14	13	29	23	10	13	14	15
1		12	12	19	28	16	17	11	22		38
		12		18	19			23	23		12
KPYJAR	PowerPlex® Y 23	16	11,14	13	29	23	10	13	14	15	
1		12	12	19		16	17	22			
		12	13	18	19			23	10	12	
KQPPT3	Yfiler™	16	11,14	13	29	23	10	13	14	15	
1		12	12	19		16	17				
								23			12
KV6D9T	Yfiler™, PowerPlex® Fusion 6C	N/A	16	11,14	13	29	23	10	13	14	15
1		12	12	19	N/A	16	17	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	18	19	N/A	N/A	23	N/A	12
											N/A

TABLE 2

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

Item 1 - YSTR Results

KXAZNJ	Yfiler™, PowerPlex® Fusion 6C										
		16	11,14	13	29	23	10	13	14	15	
	1	12	12	19		16	17				
				18	19			23		12	
KYZ7Z3	PowerPlex® Y 23										
		16	11,14	13	29	23	10	13	14	15	
	1	12	12	19		16	17		22		
		12	13	18	19			23	10	12	
LG2476	GlobalFiler™										
							10				
	1										2
LJ3EUR	Yfiler™										
		-	16	11,14	13	29	23	10	13	14	15
	1	12	12	19	-	16	17	-	-	-	-
		-	-	-	-	-	-	23	-	12	-
M22R8Z	Yfiler™										
		16	11,14	13	29	23	10	13	14	15	
	1	12	12	19		16	17				
								23		12	2
M7Z2G2	Yfiler™										
		16	11,14	13	29	23	10	13	14	15	
	1	12	12	19		16	17				
								23		12	
M9ZALC	Yfiler™										
		16	11,14	13	29	23	10	13	14	15	
	1	12	12	19		16	17				
								23		12	
MBQF4N	GlobalFiler™										
							10				
	1										2
MCJBK6	PowerPlex® Fusion 5C										
							10				
	1										
MKVRR6	PowerPlex® Fusion 5C										
							10				
	1										
MQKZMW	Yfiler™ Plus, GlobalFiler™										
	35,37	16	11,14	13	29	23	10	13	14	15	
	1	12	12	19	28	16	17	11	22		38
		12		18	19		23	23		12	2
MTAD3U	Yfiler™, PowerPlex® Fusion 6C										
		16	11,14	13	29	23	10	13	14	15	
	1	12	12	19		16	17				
				18	19			23		12	

TABLE 2

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

Item 1 - YSTR Results

MXZQ3W	Investigator® 24plex GO!										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N6XTN9	GlobalFiler™										
							10				
											2
NBLMGZ	Yfiler™ PLUS, GlobalFiler™										
	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22		38	
NJWWTY	Yfiler™										
		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17					2
NN9UEZ	PowerPlex® Y 23										
		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17		22			
NVTGP	Yfiler™										
		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17					2
NVDZP	GlobalFiler™										
							10				
											2
PFBGVC	Yfiler™ plus, PowerPlex® Y 23, GlobalFiler™										
	35,37	16	11,14	13	29	23	10	13	14	15	
	12	12	19	28	16	17	11	22		38	
PTXNQR	Yfiler™										
		16	11-14	13	29	23	10	13	14	15	
	12	12	19		16	17					2
QA3F73	PowerPlex® Fusion										
							10				
QQ8MK4	PowerPlex® Fusion										
							10				
QQQNCD	Yfiler™, GlobalFiler™, DYS391_Y-Indel										
		16	11,14	13	29	23	10	13	14	15	
	12	12	19		16	17					2

TABLE 2

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

Item 1 - YSTR Results

R3W22C	PowerPlex® Y 23									
		16	11,14	13	29	23	10	13	14	15
	1	12	12	19	16	17		22		
		12	13	18	19			23	10	12
RKZQZV	Yfiler™									
		16	11,14	13	29	23	10	13	14	15
	1	12	12	19	16	17				
								23		12
RLC7UV	Yfiler™									
		16	11,14	13	29	23	10	13	14	15
	1	12	12	19	16	17				
								23		12
RLP79H	GlobalFiler™									
							10			
	1									2
RX8G33	GlobalFiler™									
							10			
	1									2
RX8N3A	PowerPlex® Y 23									
		16	11,14	13	29	23	10	13	14	15
	1	12	12	19	16	17		22		
		12	13	18	19			23	10	12
T3CKLA	Yfiler™ Plus									
	35,37	16	11,14	13	29	23	10	13	14	15
	1	12	12	19	29	16	17	11	22	38
		12		18	19		23	23		12
TBM4MK	Yfiler™, PowerPlex® Fusion 6C Direct									
		16	11,14	13	29	23	10	13	14	15
	1	12	12	19	16	17				
			18	19				23		12
TQ2CGW	GlobalFiler™									
							10			
	1									2
TT7XDA	GlobalFiler™									
							10			
	1									2
TVCF6	Yfiler™, GlobalFiler™									
		16	11,14	13	29	23	10	13	14	15
	1	12	12	19	16	17				
								23	12	2
U3PQ6W	Yfiler™ Plus, GlobalFiler™									
	35,37	16	11,14	13	29	23	10	13	14	15
	1	12	12	19	28	16	17	11	22	38
		12		18	19		23	23		12
										2

TABLE 2

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

Item 1 - YSTR Results

UB4M2Q	PowerPlex® Fusion									
1	10									
UFXCRV	GlobalFiler™ Express									
1	10									
	2									
VB36K8	GlobalFiler™									
1	10									
	2									
VNNL6X	PowerPlex® Fusion 5C									
1	10									
VTLVLR	GlobalFiler™									
1	10									
	2									
WL7F7	PowerPlex® Y 23, GlobalFiler™									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17		22			
	12	13	18	19			23	10	12	2
WNVJ4	Yfiler™									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17					
							23		12	
VY8XHV	PowerPlex® Fusion 5C									
1	10									
WK6J76	GlobalFiler™									
1	10									
	2									
WMCWPR	GlobalFiler™ Express									
1	10									
	2									
WUAQL6	GlobalFiler™									
1	10									
	2									
WW4F4Z	Yfiler™, GlobalFiler™									
1	16	11,14	13	29	23	10	13	14	15	
	12	12	19	16	17					
							23		12	2

TABLE 2

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

Item 1 - YSTR Results

X3GV4N	PowerPlex® Fusion 5C										
	10										
1											
X8Q7ZN	Yfiler™										
	NA	16	11,14	13	29	23	10	13	14	15	
1	12	12	19	NA	16	17	NA	NA	NA	NA	
	NA	NA	NA	NA	NA	NA	NA	23	NA	12	2
XBVJ2W	PowerPlex® Fusion 5C										
	10										
1											
XNZVGV	Yfiler™ Plus, GlobalFiler™										
	35,37	16	11,14	13	29	23	10	13	14	15	
1	12	12	19	28	16	17	11	22		38	
		12		18	19		23	23		12	2
XR3TRN	PowerPlex® Y 23, GlobalFiler™										
		16	11,14	13	29	23	10	13	14	15	
1	12	12	19		16	17		22			
		12	13	18	19			23	10	12	2
XWWPEU	Yfiler™ Plus, GlobalFiler™										
	35,37	16	11,14	13	29	23	10	13	14	15	
1	12	12	19	28	16	17	11	22		38	
		12		18	19		23	23		12	2
Y3FBYL	PowerPlex® Y 23										
		16	11,14	13	29	23	10	13	14	15	
1	12	12	19		16	17		22			
		12	13	18	19			23	10	12	
YFLBPJ	Investigator® 24plex GO!										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Z3VW82	PowerPlex® Y 23, GlobalFiler™										
		16	11,14	13	29	23	10	13	14	15	
1	12	12	19		16	17		22			
		12	13	18	19			23	10	12	2
Z4PMDG	PowerPlex® Y 23										
		16	11,14	13	29	23	10	13	14	15	
1	12	12	19		16	17		22			
		12	13	18	19			23	10	12	
Z6HF7E	Yfiler™										
	-	16	11,14	13	29	23	10	13	14	15	
1	12	12	19	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	12	-
Z6ZJK7	GlobalFiler™										
	10										
1											

TABLE 2

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

Item 1 - YSTR Results

ZBLJUR	PowerPlex® Fusion 5C																													
1												10																		
ZJD2AL	PowerPlex® Fusion 5C																													
1												10																		
ZKEM9L	PowerPlex® Y 23, GlobalFiler™																													
1	16	11,14	13	29	23	10	13	14	15	12	12	19	16	17	22	23	10	12	2											
ZKQPRZ	GlobalFiler™																													
1												10																		
																						2								

TABLE 2

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

Item 2 - YSTR Results

238UVJ	GlobalFiler™										
2	[Redacted]										
2WJ976	PowerPlex® Fusion 6C										
2	[Redacted]										
			NR	NR							
39TAYG	Yfiler™										
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3G223J	PowerPlex® Fusion										
2	[Redacted]										
											ND
47EFFL	GlobalFiler™										
2	[Redacted]										
											N.D.
											N.D.
4RFHAG	PowerPlex® Fusion										
2	[Redacted]										
											ND
6GF6V3	GlobalFiler™										
2	[Redacted]										
											NR
7H34L6	GlobalFiler™										
2	[Redacted]										
											No Results
											No Results
7KBBRJ	GlobalFiler™										
2	[Redacted]										
											N.D.
											N.D.
8FVA26	PowerPlex® Y 23										
	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND			ND	ND	ND	ND
8FXXK6	GlobalFiler™										
2	[Redacted]										
											no results
											no results
8G76MX	PowerPlex® Fusion 6C										
2	[Redacted]										
			NR	NR							

TABLE 2

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

Item 2 - YSTR Results

928HXG	GlobalFiler™										
2		Not detected									
A6QUCC	GlobalFiler™										
2		Not detected									
A8CEHG	GlobalFiler™										
2		not detected									
AKE6YE	GlobalFiler™										
2		Not detected									
AULR49	Investigator® 24plex GO										
2		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B6J6KK	GlobalFiler™										
2											
BC3D3P	GlobalFiler™										
2											
BPPK4W	GlobalFiler™										
2		NR									
		NR									
C7TL9H	PowerPlex® Fusion										
2		ND									
D6VKQX	GlobalFiler™										
2		No results									
		No results									
E9BDGQ	PowerPlex® Fusion 6C										
2		NR									
		NR	NR								

TABLE 2

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

Item 2 - YSTR Results

EG3XEC	PowerPlex® Fusion										
2	ND										
FX3AMC	PowerPlex® Fusion										
2	ND										
GB9FJW	PowerPlex® Fusion 6C										
2	NR NR										
GP8KNN	PowerPlex® Fusion 6C										
2	NR NR										
H2WVD7	GlobalFiler™										
2	Not detected										
HBH39P	GlobalFiler™										
2	NR NR										
HW7BN6	PowerPlex® Fusion										
2	ND										
HWP8Z6	GlobalFiler™										
2											
JMWJFL	PowerPlex® Fusion 6C										
2	NR NR										
KANTFY	Yfiler™ plus										
2											
KQPPT3	PowerPlex® Fusion 5C										
2											
KV6D9T	PowerPlex® Fusion 6C										
2	N/A	N/A	N/A	N/A	N/A	N/A	NR	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	NR	NR	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 2

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

Item 2 - YSTR Results

KXAZNJ	PowerPlex® Fusion 6C										NR
2											
			NR		NR						
LG2476	GlobalFiler™										Not Detected
2											
											Not Detected
MBQF4N	GlobalFiler™										
2											
MCJBK6	PowerPlex® Fusion 5C										
2											
MKVRR6	PowerPlex® Fusion 5C										ND
2											
MTAD3U	PowerPlex® Fusion 6C										
2											
NVDZP	GlobalFiler™										No results
2											
											No results
QA3F73	PowerPlex® Fusion										ND
2											
QQ8MK4	PowerPlex® Fusion										ND
2											
TBM4MK	PowerPlex® Fusion 6C Direct										NR
2											
			NR		NR						
TQ2CGW	GlobalFiler™										
2											
UB4M2Q	PowerPlex® Fusion										ND
2											

TABLE 2

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

Item 2 - YSTR Results

UFXCRV	GlobalFiler™ Express										
	Not Detected										
2											
	Not Detected										
VB36K8	GlobalFiler™										
2											
VNNL6X	PowerPlex® Fusion 5C										
	ND										
2											
VTLVLR	GlobalFiler™										
2											
VY8XHV	PowerPlex® Fusion 5C										
	ND										
2											
WMCWPR	GlobalFiler™ Express										
	NR										
2											
	NR										
WUAQL6	GlobalFiler™										
2											
X3GV4N	PowerPlex® Fusion 5C										
	ND										
2											
X8Q7ZN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
XBVJ2W	PowerPlex® Fusion 5C										
	ND										
2											
Z3VW82	GlobalFiler™										
2											
Z6ZJK7	GlobalFiler™										
	NR										
2											
	NR										

TABLE 2

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

Item 2 - YSTR Results

ZJD2AL PowerPlex® Fusion 5C

ND

2

TABLE 2

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

Item 3 - YSTR Results

3VKLNx	PowerPlex® Y 23										
		null	15	13	31	21	10	11	13	14	
3		11	12	20	16	17		27			
		12	12	20	16			22	14	12	
6GF6V3	GlobalFiler™						10				
3											2
88Z8W9	GlobalFiler™						10				
3											2
BPPK4W	GlobalFiler™						10				
3											2
HB4HKK	Yfiler™ Plus										
	36,38,39		15,15	13	31	21	10	11	13	14	
3		11	12	20	32	16	17	10	27	39	
		12		20	16		19	22		12	2
HBH39P	GlobalFiler™						10				
3											2
JR8EGP	PowerPlex® Y 23, GlobalFiler™										
		N	15	13	31	21	10	11	13	14	
3		11	12	20	16	17		27			
		12	12	20	16			22	14	12	2
PFBGVC	Yfiler™ plus, PowerPlex® Y 23, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3		11	12	20	32	16	17	10	27	39	
		12	12	20	16		19	22	14	12	2
RX8N3A	PowerPlex® Y 23										
			15	13	31	21	10	11	13	14	
3		11	12	20	16	17		27			
		12	12	20	16			22	14	12	
T3CKLA	Yfiler™ Plus										
	36,38,39		15	13	31	21	10	11	13	14	
3		11	12	20	33	16	17	10	27	39	
		12		20	16		19	22		12	
Z6ZJK7	GlobalFiler™						10				
3											2

TABLE 2

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

Item 3e - YSTR Results

238UVJ	GlobalFiler™																
3e	10																
	2																
2L6B4M	Yfiler™, GlobalFiler™																
3e	10																
	2																
2WJ976	Yfiler™, PowerPlex® Fusion 6C																
3e	10																
	20 16																
32DL9L	Yfiler™, GlobalFiler™																
3e	10																
	2																
3323G9	Yfiler™																
3e	11	12	15	13	20	16	31	21	17	10	11	13	14	22	12		
399LLT	Yfiler™																
3e	10																
	2																
39TAYG	Yfiler™																
3e	N/A	INC	15	13	20	16	31	21	17	10	N/A	11	N/A	13	N/A	14	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A			
3G223J	PowerPlex® Fusion																
3e	10																
3GYCXM	PowerPlex® Y 23																
3e	11	12	15,15	13	20	16	31	21	17	10	11	13	14	27			
		12	12	20	16						22	14	12				
447AUK	PowerPlex® Y 23																
3e	11	12	15,15	13	20	16	31	21	17	10	11	13	14	27			
		12	12	20	16						22	14	12				
47EFL	PowerPlex® Fusion																
3e	10																
	2																
4RFHAG	PowerPlex® Fusion																
3e	10																

TABLE 2

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

Item 3e - YSTR Results

62XEP9	Yfiler™										
	-		15	13	31	21	10	11	13	14	
3e	11	12	20	-	16	17	-	-	-	-	-
	-	-	-	-	-	-	-	22	-	12	-
6HP8JL	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
6P9HTG	Yfiler™										
			15,15	13	31	21	10	11	13	14	
3e	11	12	20		16	17					
								22		12	2
6VDCPX	PowerPlex® Y 23, GlobalFiler™										
			15	13	31	21	10	11	13	14	
3e	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
6Z6LWA	PowerPlex® Y 23										
3e											
748J6H	Yfiler™										
		N/A	15,15	13	31	21	10	11	13	14	
3e	11	12	20		16	17					
								22		12	2
76HLVM	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
78734A	PowerPlex® Fusion 6C										
							10				
3e											
			20	16							
7BLMUV	GlobalFiler™										
							10				
3e											
											2
7CFBCQ											
							10				
3e											
											2
7KBBRJ	GlobalFiler™										
							10				
3e											
											2
7U2YLL	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2

TABLE 2

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

Item 3e - YSTR Results

828346	PowerPlex® Y 23										
			15	13	31	21	10	11	13	14	
3e	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
86CQPL	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
8A6X23	Yfiler™										
			15	13	31	21	10	11	13	14	
3e	11	12	20		16	17					
								22		12	
8DPKYW	Yfiler™ plus										
	36,38,39	-	15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
8FVA26	PowerPlex® Y 23										
		ND	15,15	13	31	21	10	11	13	14	
3e	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
8G76MX	Yfiler™, PowerPlex® Fusion 6C										
							10				
3e											
				[20]	[16]						
8G9WJK	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
8LHTMU	GlobalFiler™										
							10				
3e											
											2
8MCJT9	PowerPlex® Y 23										
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3e	N/A	N/A	N/A		N/A	N/A		N/A		N/A	
		N/A	N/A	N/A	N/A			N/A	N/A	N/A	
928HXG	GlobalFiler™										
							10				
3e											
											2
9HBYZ9	Yfiler™ PLUS										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
9UBNZH	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2

TABLE 2

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

Item 3e - YSTR Results

A6QUCC	GlobalFiler™										
3e											10
											2
A8CEHG	PowerPlex® Y 23										
3e											
AKE6YE	GlobalFiler™										
3e											10
											2
AULR49	Investigator® 24plex QS										
3e	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B6J6KK	GlobalFiler™										
3e											10
											2
BC3D3P	GlobalFiler™										
3e											10
											2
BHTKUB	GlobalFiler™										
3e											10
											2
C7TL9H	PowerPlex® Fusion										
3e											10
CJJ7XL	Yfiler™, GlobalFiler™										
3e			15	13	31	21	10	11	13	14	
	11	12	20		16	17					
								22	12	2	
D788K6	Yfiler™, Investigator® 24plex QS										
3e	N/A	INC	15	13	31	21	10	11	13	14	
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
DHKKL7	GlobalFiler™										
3e											10
											2
DJAX24	PowerPlex® Y 23										
3e		F	15,15	13	31	21	10	11	13	14	
	11	12	20		16	17		27			
		12	12	20	16			22	14	12	

TABLE 2

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

Item 3e - YSTR Results

DMTNQM	Yfiler™ 23, GlobalFiler™ Yindel and DYS391									
			15	13	31	21	10	11	13	14
3e	11	12	20		16	17		27		
		12	12	20	16			22	14	12
										2
E8E2FV	Yfiler™									
			15	13	31	21	10	11	13	14
3e	11	12	20		16	17				
								22		12
E9BDGQ	Yfiler™, PowerPlex® Fusion 6C									
							10			
3e										
				20	16					
EFA3XU	Yfiler™, GlobalFiler™									
							10			
3e										2
EG3XEC	PowerPlex® Fusion									
							10			
3e										
EPV749	Yfiler™, GlobalFiler™									
		NA	15,15	13	31	21	10	11	13	14
3e	11	12	20		16	17				
								22	12	2
FBUU7N	PowerPlex® Fusion 6C									
							[10]			
3e										
				[20]	[16]					
FX3AMC	PowerPlex® Fusion									
							10			
3e										
G632DL	Yfiler™, GlobalFiler™ Y-indel, DYS391									
		NR	15	13	31	21	10	11	13	14
3e	11	12	20		16	17				
								22	12	2
GB9FJW	Yfiler™, PowerPlex® Fusion 6C									
							(10)			
3e										
				20	16					
GLMTE7	Yfiler™, GlobalFiler™									
							10			
3e										2
H2WWD7	GlobalFiler™									
							10			
3e										2

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
Item	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
Item 3e - YSTR Results											
HL47HA	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
HUG67T	Yfiler™										
		-	15	13	31	21	10	11	13	14	
3e	11	12	20		16	17					
								22		12	
HW7BN6	PowerPlex® Y 23										
3e	10										
HWP8Z6	GlobalFiler™										
3e	10										
	2										
JPXM89	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
JRL4FV	PowerPlex® Fusion 6C										
3e	10										
			20	16							
KANTFY	Yfiler™ plus, GlobalFiler™ Y indel										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	
KPYJAR	PowerPlex® Y 23										
		NR	15,15	13	31	21	10	11	13	14	
3e	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
KQPPT3	Yfiler™, PowerPlex® Fusion 5C										
3e	10										
KV6D9T	Yfiler™, PowerPlex® Fusion 6C										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
3e	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	[20]	[16]	N/A	N/A	N/A	N/A	N/A	N/A
KYZ7Z3	PowerPlex® Y 23										
3e	10										
LG2476	GlobalFiler™										
3e	10										
	2										

TABLE 2

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

Item 3e - YSTR Results

LJ3EUR	Yfiler™										
	-		15	13	31	21	10	11	13	14	
3e	11	12	20	-	16	17	-	-	-	-	-
	-	-	-	-	-	-	-	22	-	12	-
M22R8Z	Yfiler™										
			15,15	13	31	21	10	11	13	14	
3e	11	12	20		16	17					
								22		12	2
M7Z2G2	Yfiler™, GlobalFiler™										
3e											
											2
M9ZALC	Yfiler™, GlobalFiler™										
							10				
3e											
											2
MBQF4N	GlobalFiler™										
							10				
3e											
											2
MCJBK6	PowerPlex® Fusion 5C										
							10				
3e											
MKVRR6	PowerPlex® Fusion 5C										
							10				
3e											
MQKZMW	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
MTAD3U	Yfiler™, PowerPlex® Fusion 6C										
			15	13	31	21	10	11	13	14	
3e	11	12	20		16	17					
				20	16			22		12	
MXZQ3W	Yfiler™										
	N/A	INC	15	13	31	21	10	11	13	14	
3e	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
NBLMGZ	Yfiler™ PLUS, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3e	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
NJWWTY	Yfiler™, GlobalFiler™										
							10				
3e											
											2

TABLE 2

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

Item 3e - YSTR Results

NN9UEZ	PowerPlex® Y 23									
3e	[Redacted]									
NVTPGP	Yfiler™									
3e	11	12	15	13	31	21	10	11	13	14
			20		16	17		22		12
NVDZP	GlobalFiler™									
3e	10									
	2									
PTXNQR	Yfiler™									
3e	-	15	13	31	21	10	11	13	14	
	11	12	20		16	17		22		12
QA3F73	PowerPlex® Fusion									
3e	10									
QQ8MK4	PowerPlex® Fusion									
3e	10									
QQQNCD	Yfiler™, GlobalFiler™, DYS391_Y-Indel									
3e	11	12	15	13	31	21	10	11	13	14
			20		16	17		22		12
										2
QVMDTK	GlobalFiler™									
3e	10									
	2									
R3W22C	Yfiler™, PowerPlex® Y 23									
3e	11	12	15	13	31	21	10	11	13	14
			20		16	17		27		
		12	12	20	16			22	14	12
RKZQZV	Yfiler™, GlobalFiler™									
3e	10									
	2									
RLC7UV	Yfiler™, GlobalFiler™									
3e	10									
	2									
RLP79H	GlobalFiler™									
3e	10									
	2									

TABLE 2

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

Item 3e - YSTR Results

VXD33E	GlobalFiler™									
3e	10									
	2									
VY8XHV	PowerPlex® Fusion 5C									
3e	10									
	2									
WK6J76	GlobalFiler™									
3e	10									
	2									
WMCWPR	GlobalFiler™									
3e	10									
	2									
WUAQL6	GlobalFiler™									
3e	10									
	2									
WV4F4Z	Yfiler™, GlobalFiler™									
3e	11	12	15	13	31	21	10	11	13	14
	22									
	12									
	2									
X3GV4N	PowerPlex® Fusion 5C									
3e	10									
	2									
X8Q7ZN	Yfiler™									
3e	NA	NA	15,15	13	31	21	10	11	13	14
	11	12	20	NA	16	17	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	22	NA	12
	2									
XBVJ2W	PowerPlex® Fusion 5C									
3e	10									
	2									
XNZVGV	Yfiler™ Plus, GlobalFiler™									
3e	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									
XR3TRN	PowerPlex® Y 23, GlobalFiler™									
3e	10									
	2									
XWWPEU	Yfiler™ Plus, GlobalFiler™									
3e	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									

TABLE 2

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

Item 3e - YSTR Results

Y3FBYL	PowerPlex® Y 23										
3e	[Redacted]										
YFLBPJ	Yfiler™, Investigator® 24plex QS										
	N/A	INC	15,15	13	31	21	10	11	13	14	
3e	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
Z3VW82	PowerPlex® Y 23, GlobalFiler™										
			15	13	31	21	10	11	13	14	
3e	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
Z4PMDG	PowerPlex® Y 23										
3e	[Redacted]										
Z6HF7E	Yfiler™										
	-		15	13	31	21	10	11	13	14	
3e	11	12	20	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	22	-	12	-
ZBLJUR	PowerPlex® Fusion 5C										
							10				
3e	[Redacted]										
ZJD2AL	PowerPlex® Fusion 5C										
							10				
3e	[Redacted]										
ZKEM9L	GlobalFiler™										
							10				
3e	[Redacted]										
											2
ZKQPRZ	GlobalFiler™										
							10				
3e	[Redacted]										
											2

TABLE 2

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

Item 3sp - YSTR Results

238UVJ	GlobalFiler™																
3sp											10						
											2						
2L6B4M	Yfiler™, GlobalFiler™																
3sp	11	12	20	15	13	31	21	10	11	13	14						
											22	12	2				
2WJ976	Yfiler™, PowerPlex® Fusion 6C																
3sp	11	12	20	NR	15,15	13	31	21	10	11	13	14					
											20	16	17	22	12		
32DL9L	Yfiler™, GlobalFiler™																
3sp	11	12	20	15	13	31	21	10	11	13	14						
											16	17	22	12	2		
3323G9	Yfiler™																
3sp	11	12	20	15	13	31	21	10	11	13	14						
											16	17	22	12			
399LLT																	
3sp											10						
											2						
39TAYG	Yfiler™																
3sp	N/A	INC	15	13	31	21	10	11	13	14							
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A							
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A						
3G223J	PowerPlex® Fusion																
3sp											10						
3GYCXM	PowerPlex® Y 23																
3sp	11	12	20	15,15	13	31	21	10	11	13	14						
											16	17	27				
											12	12	20	16	22	14	12
447AUK	PowerPlex® Y 23																
3sp	11	12	20	15,15	13	31	21	10	11	13	14						
											16	17	27				
											12	12	20	16	22	14	12
47EFL																	
3sp											10						
											2						
4RFHAG	PowerPlex® Fusion																
3sp											10						

TABLE 2

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

Item 3sp - YSTR Results

62XEP9	Yfiler™										
	-		15	13	31	21	10	11	13	14	
3sp	11	12	20	-	16	17	-	-	-	-	-
	-	-	-	-	-	-	-	22	-	12	-
6HP8JL	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
6P9HTG	Yfiler™										
			15,15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	2
6VDCPX	PowerPlex® Y 23, GlobalFiler™										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
6Z6LWA	PowerPlex® Y 23										
		NR	15,15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
748J6H	Yfiler™										
		N/A	15,15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	2
76HLVM	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
78734A	PowerPlex® Fusion 6C										
							10				
3sp				20	16						
7BLMUV	GlobalFiler™										
							10				
3sp											2
7CFBCQ											
							10				
3sp											2
7KBBRJ	GlobalFiler™										
							10				
3sp											2
7U2YLL	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2

TABLE 2

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

Item 3sp - YSTR Results

828346	PowerPlex® Y 23									
3sp	11	12	15	13	31	21	10	11	13	14
			20		16	17		27		
		12	12	20	16			22	14	12
86CQPL	Yfiler™ Plus, GlobalFiler™									
3sp	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
8A6X23	Yfiler™									
3sp			15	13	31	21	10	11	13	14
	11	12	20		16	17				
								22		12
8DPKYW	Yfiler™ plus									
3sp	36,38,39	-	15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
8FVA26	PowerPlex® Y 23									
3sp		ND	15,15	13	31	21	10	11	13	14
	11	12	20		16	17		27		
		12	12	20	16			22	14	12
8G76MX	Yfiler™, PowerPlex® Fusion 6C									
3sp		NR	15	13	31	21	10	11	13	14
	11	12	20		16	17				
				20	16			22		12
8G9WJK	Yfiler™ Plus, GlobalFiler™									
3sp	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
8LHTMU	GlobalFiler™									
3sp							10			
										2
8MCJT9	PowerPlex® Y 23									
3sp		No Result	15,15	13	31	21	10	11	13	14
	11	12	20		16	17		27		
		12	12	20	16			22	14	12
928HXG	GlobalFiler™									
3sp							10			
										2
9HBYZ9	Yfiler™ PLUS									
3sp	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
9UBNZH	Yfiler™ Plus, GlobalFiler™									
3sp	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2

TABLE 2

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

Item 3sp - YSTR Results

A6QUCC	GlobalFiler™										
3sp											10
											2
A8CEHG	PowerPlex® Y 23										
			15	13	31	21	10	11	13	14	
	not detected										
3sp	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
AKE6YE	GlobalFiler™										
3sp											10
											2
AULR49	Investigator® 24plex QS										
3sp	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B6J6KK	GlobalFiler™										
3sp											10
											2
BC3D3P	GlobalFiler™										
3sp											10
											2
BHTKUB	GlobalFiler™										
3sp											10
											2
C7TL9H	PowerPlex® Fusion										
3sp											10
											2
CJJ7XL	Yfiler™, GlobalFiler™										
3sp			15	13	31	21	10	11	13	14	
	11	12	20		16	17					
								22		12	2
D788K6	Yfiler™, Investigator® 24plex QS										
3sp	N/A	INC	15	13	31	21	10	11	13	14	
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
DHKKL7	GlobalFiler™										
3sp											10
											2
DJAX24	PowerPlex® Y 23										
3sp		F	15,15	13	31	21	10	11	13	14	
	11	12	20		16	17		27			
		12	12	20	16			22	14	12	

TABLE 2

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

Item 3sp - YSTR Results

DMTNQM	Yfiler™ 23, GlobalFiler™ Yindel and DYS391									
			15	13	31	21	10	11	13	14
3sp	11	12	20		16	17		27		
		12	12	20	16			22	14	12
										2
E8E2FV	Yfiler™									
			15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
								22		12
E9BDGQ	Yfiler™, PowerPlex® Fusion 6C									
		NR	15,15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
				20	16			22		12
EFA3XU	Yfiler™, GlobalFiler™									
			15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
								22		12
										2
EG3XEC	PowerPlex® Fusion									
							10			
3sp										
EPV749	Yfiler™, GlobalFiler™									
		NA	15,15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
								22		12
										2
FBUU7N	PowerPlex® Fusion 6C									
							10			
3sp										
				20	16					
FX3AMC	PowerPlex® Fusion									
							10			
3sp										
G632DL	Yfiler™, GlobalFiler™ Y-indel, DYS391									
		NR	15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
								22		12
										2
GB9FJW	Yfiler™, PowerPlex® Fusion 6C									
		NR	15,15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
				20	16			22		12
GLMTE7	Yfiler™, GlobalFiler™									
			15	13	31	21	10	11	13	14
3sp	11	12	20		16	17				
								22		12
										2
H2WVD7	GlobalFiler™									
							10			
3sp										
										2

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	Item	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
Item 3sp - YSTR Results											
HL47HA	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
HUG67T	Yfiler™										
		-	15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	
HW7BN6	PowerPlex® Y 23										
		ND	15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
HWP8Z6	GlobalFiler™										
							10				
3sp											
											2
JPXM89	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
JRL4FV	PowerPlex® Fusion 6C										
							10				
3sp											
				20	16						
KANTFY	Yfiler™ plus, GlobalFiler™ Y indel										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
KPYJAR	PowerPlex® Y 23										
		NR	15,15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
KQPPT3	Yfiler™, PowerPlex® Fusion 5C										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	
KV6D9T	Yfiler™, PowerPlex® Fusion 6C										
	N/A	NR	15,15	13	31	21	10	11	13	14	
3sp	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	20	16	N/A	N/A	22	N/A	12	N/A
KYZ7Z3	PowerPlex® Y 23										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
LG2476	GlobalFiler™										
							10				
3sp											
											2

TABLE 2

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

Item 3sp - YSTR Results

LJ3EUR	Yfiler™										
	-		15	13	31	21	10	11	13	14	
3sp	11	12	20	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	22	-	12	-
M22R8Z	Yfiler™										
			15,15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	2
M7Z2G2	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	2
M9ZALC	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	2
MBQF4N	GlobalFiler™										
							10				
3sp											2
MCJBK6	PowerPlex® Fusion 5C										
							10				
3sp											
MKVRR6	PowerPlex® Fusion 5C										
							10				
3sp											
MQKZMW	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
MTAD3U	Yfiler™, PowerPlex® Fusion 6C										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
				20	16			22		12	
MXZQ3W	Yfiler™										
	N/A	INC	15	13	31	21	10	11	13	14	
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
3sp	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
NBLMGZ	Yfiler™ PLUS, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
3sp	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
NJWWTY	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
3sp	11	12	20		16	17					
								22		12	2

TABLE 2

WebCode	Amplification Kit										
	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
Item	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
Item 3sp - YSTR Results											
NN9UEZ	PowerPlex® Y 23										
3sp	11	12	15,15	13	31	21	10	11	13	14	
			20		16	17		27			
		12	12	20	16			22	14	12	
NVTPGP	Yfiler™										
3sp	11	12	15	13	31	21	10	11	13	14	
			20		16	17					
								22		12	
NVDZP	GlobalFiler™										
3sp							10				2
PTXNQR	Yfiler™										
3sp	11	12	-	15	13	31	21	10	11	13	14
			20		16	17					
								22		12	
QA3F73	PowerPlex® Fusion										
3sp							10				
QQ8MK4	PowerPlex® Fusion										
3sp							10				
QQQNCD	Yfiler™, GlobalFiler™, DYS391_Y-Indel										
3sp	11	12	15	13	31	21	10	11	13	14	
			20		16	17					
								22		12	2
QVMDTK	GlobalFiler™										
3sp							10				2
R3W22C	Yfiler™, PowerPlex® Y 23										
3sp	11	12	15	13	31	21	10	11	13	14	
			20		16	17		27			
		12	12	20	16			22	14	12	
RKZQZV	Yfiler™, GlobalFiler™										
3sp	11	12	15	13	31	21	10	11	13	14	
			20		16	17					
								22		12	2
RLC7UV	Yfiler™, GlobalFiler™										
3sp	11	12	15	13	31	21	10	11	13	14	
			20		16	17					
								22		12	2
RLP79H	GlobalFiler™										
3sp							10				
											2

TABLE 2

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

Item 3sp - YSTR Results

VXD33E	GlobalFiler™									
3sp	10									
	2									
VY8XHV	PowerPlex® Fusion 5C									
3sp	10									
	2									
WK6J76	GlobalFiler™									
3sp	10									
	2									
WMCWPR	GlobalFiler™									
3sp	10									
	2									
WUAQL6	GlobalFiler™									
3sp	10									
	2									
WV4F4Z	Yfiler™, GlobalFiler™									
3sp	11	12	15	13	31	21	10	11	13	14
	22									
	12									
	2									
X3GV4N	PowerPlex® Fusion 5C									
3sp	10									
	2									
X8Q7ZN	Yfiler™									
3sp	NA	NA	15,15	13	31	21	10	11	13	14
	11	12	20	NA	16	17	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	22	NA	12
	2									
XBVJ2W	PowerPlex® Fusion 5C									
3sp	10									
	2									
XNZVGV	Yfiler™ Plus, GlobalFiler™									
3sp	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									
XR3TRN	PowerPlex® Y 23, GlobalFiler™									
3sp	-		15	13	31	21	10	11	13	14
	11	12	20		16	17		27		
		12	12	20	16			22	14	12
	2									
XWWPEU	Yfiler™ Plus, GlobalFiler™									
3sp	36,38,39		15	13	31	21	10	11	13	14
	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									

TABLE 2

WebCode	Amplification Kit											
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437		
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518		
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel	
Item 3sp - YSTR Results												
Y3FBYL	PowerPlex® Y 23											
3sp	11	12	15	13	31	21	10	11	13	14		
			20		16	17		27				
		12	12	20	16			22	14	12		
YFLBPJ	Yfiler™, Investigator® 24plex QS											
3sp	N/A	INC	15,15	13	31	21	10	11	13	14		
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A		
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A	
Z3VW82	PowerPlex® Y 23, GlobalFiler™											
3sp	11	12	15	13	31	21	10	11	13	14		
			20		16	17		27				
		12	12	20	16			22	14	12	2	
Z4PMDG	PowerPlex® Y 23											
3sp	11	NR	15,15	13	31	21	10	11	13	14		
			20		16	17		27				
		12	12	20	16			22	14	12		
Z6HF7E	Yfiler™											
3sp	-		15	13	31	21	10	11	13	14		
	11	12	20	-	16	17	-	-	-	-		
	-	-	-	-	-	-	-	22	-	12	-	
ZBLJUR	PowerPlex® Fusion 5C											
3sp							10					
ZJD2AL	PowerPlex® Fusion 5C											
3sp							10					
ZKEM9L	GlobalFiler™											
3sp							10					
											2	
ZKQPRZ	GlobalFiler™											
3sp							10					
											2	

TABLE 2

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

Item 4 - YSTR Results

238UVJ											
4	10										
	2										
2L6B4M	Yfiler™, GlobalFiler™										
		15	13	31	21	10	11	13	14		
4	11	12	20	16	17						
							22		12	2	
2WJ976	Yfiler™, PowerPlex® Fusion 6C										
		NR	15,15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
			20	16			22		12		
32DL9L	Yfiler™, GlobalFiler™										
		15	13	31	21	10	11	13	14		
4	11	12	20	16	17						
							22		12	2	
3323G9	Yfiler™										
		15	13	31	21	10	11	13	14		
4	11	12	20	16	17						
							22		12		
399LLT											
4	10										
	2										
39TAYG	Yfiler™										
	N/A	INC	15	13	31	21	10	11	13	14	
4	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
3G223J	PowerPlex® Fusion										
4	10										
	2										
3GYCXM	PowerPlex® Y 23										
		15,15	13	31	21	10	11	13	14		
4	11	12	20	16	17		27				
		12	12	20	16		22	14	12		
3VKLNK	PowerPlex® Y 23										
		null	15	13	31	21	10	11	13	14	
4	11	12	20	16	17		27				
		12	12	20	16		22	14	12		
447AUK	PowerPlex® Y 23										
		15,15	13	31	21	10	11	13	14		
4	11	12	20	16	17		27				
		12	12	20	16		22	14	12		
47EFL	GlobalFiler™										
4	10										
	2										

TABLE 2

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

Item 4 - YSTR Results

4RFHAG	PowerPlex® Fusion									
4	10									
62XEP9	Yfiler™									
4	-	15	13	31	21	10	11	13	14	
	11	12	20	-	16	17	-	-	-	-
	-	-	-	-	-	-	-	22	-	12
6GF6V3	GlobalFiler™									
4	10									
	2									
6HP8JL	Yfiler™ Plus, GlobalFiler™									
4	36,38,39	15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27	39	
		12	20	16	19	22		12	2	
6P9HTG	Yfiler™									
4		15,15	13	31	21	10	11	13	14	
	11	12	20	16	17					
							22		12	2
6VDCPX	PowerPlex® Y 23, GlobalFiler™									
4		15	13	31	21	10	11	13	14	
	11	12	20	16	17		27			
		12	20	16			22	14	12	2
6Z6LWA	PowerPlex® Y 23									
4		NR	15,15	13	31	21	10	11	13	14
	11	12	20	16	17		27			
		12	20	16			22	14	12	
748J6H	Yfiler™									
4		N/A	15,15	13	31	21	10	11	13	14
	11	12	20	16	17					
							22		12	2
76HLVM	Yfiler™ Plus, GlobalFiler™									
4	36,38,39	15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27	39	
		12	20	16	19	22		12	2	
78734A	PowerPlex® Fusion 6C									
4	[10]									
			20	16						
7BLMUV										
4	10									
	2									
7CFBCQ										
4	10									
	2									

TABLE 2

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

Item 4 - YSTR Results

7KBBRJ										
4	10									
	2									
7U2YLL	Yfiler™ Plus, GlobalFiler™									
	36,38,39		15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									
828346	PowerPlex® Y 23									
			15	13	31	21	10	11	13	14
4	11	12	20		16	17		27		
		12	12	20	16			22	14	12
86CQPL	Yfiler™ Plus, GlobalFiler™									
	36,38,39		15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									
8A6X23	Yfiler™									
			15	13	31	21	10	11	13	14
4	11	12	20		16	17				
								22		12
8DPKYW	Yfiler™ Plus									
	36,38,39	-	15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									
8FVA26	PowerPlex® Y 23									
		ND	15,15	13	31	21	10	11	13	14
4	11	12	20		16	17		27		
		12	12	20	16			22	14	12
8G76MX	Yfiler™, PowerPlex® Fusion 6C									
		NR	15	13	31	21	10	11	13	14
4	11	12	20		16	17				
				20	16			22		12
8G9WJK	Yfiler™ Plus, GlobalFiler™									
	36,38,39		15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
	2									
8LHTMU	GlobalFiler™									
4	10									
	2									
8MCJT9	PowerPlex® Y 23									
		No Result	15,15	13	31	21	10	11	13	14
4	11	12	20		16	17		27		
		12	12	20	16			22	14	12
928HXG	GlobalFiler™									
4	10									
	2									

TABLE 2

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

Item 4 - YSTR Results

9HBYZ9	Yfiler™ Plus										
	36,38,39		15	13	31	21	10	11	13	14	
4	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
9UBNZH	Yfiler™ Plus, GlobalFiler™										
	36,38,39		15	13	31	21	10	11	13	14	
4	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
A6QUCC	GlobalFiler™										
							10				
4											2
A8CEHG	PowerPlex® Y 23										
			15	13	31	21	10	11	13	14	
	not detected										
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
AKE6YE	GlobalFiler™										
							10				
4											2
AULR49	Investigator® 24plex QS										
	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B6J6KK	GlobalFiler™										
							10				
4											2
BC3D3P	GlobalFiler™										
							[10]				
4											[2]
BHTKUB	PowerPlex® Y 23, GlobalFiler™										
	-		15	13	31	21	10	11	13	14	
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
BPPK4W	GlobalFiler™										
							10				
4											2
C7TL9H	PowerPlex® Fusion										
							10				
4											
CJJ7XL	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2

TABLE 2

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

Item 4 - YSTR Results

D788K6	Yfiler™, Investigator® 24plex QS										
	N/A	INC	15	13	31	21	10	11	13	14	
4	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
DHKKL7	Yfiler™, GlobalFiler™										
		NULL	15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2
DJAX24	F										
		15	13	31	21	10	11	13	14		
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
DMTNQM	PowerPlex® Y 23, GlobalFiler™ Yindel and DYS391										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
E8E2FV	Yfiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	
E9BDGQ	Yfiler™, PowerPlex® Fusion 6C										
		NR	15,15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
				20	16			22		12	
EFA3XU	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2
EG3XEC	PowerPlex® Fusion										
4	[10]										
EPV749	Yfiler™, GlobalFiler™										
		NA	15,15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2
FBUU7N	PowerPlex® Fusion 6C										
							10				
4											
			20	16							
FX3AMC	PowerPlex® Fusion										
							10				
4											
G632DL	Yfiler™, GlobalFiler™ Y-Indel, DYS391										
		NR	15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2

TABLE 2

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

Item 4 - YSTR Results

GB9FJW	Yfiler™, PowerPlex® Fusion 6C									
		NR	15,15	13	31	21	10	11	13	14
4	11	12	20		16	17				
				(20)	(16)			22		12
GLMTE7	Yfiler™, GlobalFiler™									
			15	13	31	21	10	11	13	14
4	11	12	20		16	17				
								22		12
H2WVD7	GlobalFiler™									
							10			
4										2
HB4HKK	Yfiler™ Plus									
	36,38,39		15,15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
HBH39P	GlobalFiler™									
							10			
4										2
HL47HA	Yfiler™ Plus									
	36,38,39		15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
HUG67T	Yfiler™									
		-	15	13	31	21	10	11	13	14
4	11	12	20		16	17				
								22		12
HW7BN6	PowerPlex® Y 23									
		ND	15	13	31	21	10	11	13	14
4	11	12	20		16	17		27		
		12	12	20	16			22	14	12
HWP8Z6	GlobalFiler™									
							10			
4										2
JPXM89	Yfiler™, GlobalFiler™									
	36,38,39		15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
JR8EGP	PowerPlex® Y 23, GlobalFiler™									
		N	15	13	31	21	10	11	13	14
4	11	12	20		16	17		27		
		12	12	20	16			22	14	12
										2
JRL4FV	PowerPlex® Fusion 6C									
							10			
4										
				20	16					

TABLE 2

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

Item 4 - YSTR Results

KANTFY	Yfiler™ plus, GlobalFiler™ Y indel										
	36,38,39		15	13	31	21	10	11	13	14	
4	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
KPYJAR	PowerPlex® Y 23										
		NR	15,15	13	31	21	10	11	13	14	
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
KQPPT3	Yfiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	
KV6D9T	Yfiler™, PowerPlex® Fusion 6C										
	N/A	NR	15,15	13	31	21	10	11	13	14	
4	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	20	16	N/A	N/A	22	N/A	12	N/A
KYZ7Z3	PowerPlex® Y 23										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
LG2476	GlobalFiler™										
							10				
4											2
LJ3EUR	Yfiler™										
	-		15	13	31	21	10	11	13	14	
4	11	12	20	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	22	-	12	-
M22R8Z	Yfiler™										
			15,15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2
M7Z2G2	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2
M9ZALC	Yfiler™, GlobalFiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17					
								22		12	2
MBQF4N	GlobalFiler™										
							10				
4											2
MCJBK6	PowerPlex® Fusion 5C										
							10				
4											

TABLE 2

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

Item 4 - YSTR Results

MKVRR6	PowerPlex® Fusion 5C										
4											10
MQKZMW	Yfiler™ Plus, GlobalFiler™										
4	36,38,39		15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
MTAD3U	Yfiler™, PowerPlex® Fusion 6C										
4			15	13	31	21	10	11	13	14	
	11	12	20		16	17					
				20	16			22		12	
MXZQ3W	Yfiler™										
4	N/A	INC	15	13	31	21	10	11	13	14	
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
NBLMGZ	Yfiler™ PLUS, GlobalFiler™										
4	36,38,39		15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27		39	
		12		20	16		19	22		12	2
NJWWTY	Yfiler™, GlobalFiler™										
4			15	13	31	21	10	11	13	14	
	11	12	20		16	17					
								22		12	2
NN9UEZ	PowerPlex® Y 23										
4			15,15	13	31	21	10	11	13	14	
	11	12	20		16	17		27			
		12	12	20	16			22	14	12	
NVTPGP											
4			15	13	31	21	10	11	13	14	
	11	12	20		16	17					
								22		12	
NVDZP	GlobalFiler™										
4											10
											2
PFBGVC	Yfiler™ PLUS, PowerPlex® Y 23, GlobalFiler™										
4	36,38,39		15	13	31	21	10	11	13	14	
	11	12	20	32	16	17	10	27		39	
		12	12	20	16		19	22	14	12	2
PTXNQR	Yfiler™										
4		-	15	13	31	21	10	11	13	14	
	11	12	20		16	17					
								22		12	
QA3F73	PowerPlex® Fusion										
4											10

TABLE 2

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

Item 4 - YSTR Results

QQ8MK4	PowerPlex® Fusion																	
4	10																	
QQQNCD	Yfiler™, GlobalFiler™, DYS391_Y-indel																	
4	11	12	15	13	20	31	21	10	11	13	14	16	17	22	12	2		
QVMDTK	GlobalFiler™																	
4	10																	
R3W22C	Yfiler™, PowerPlex® Y 23																	
4	11	12	15	13	20	31	21	10	11	13	14	16	17	27	22	14	12	
RKZQZV	Yfiler™, GlobalFiler™																	
4	11	12	15	13	20	31	21	10	11	13	14	16	17	22	12	2		
RLC7UV	Yfiler™, GlobalFiler™																	
4	11	12	15	13	20	31	21	10	11	13	14	16	17	22	12	2		
RLP79H	GlobalFiler™																	
4	10																	
RX8N3A	PowerPlex® Y 23																	
4	11	12	15	13	20	31	21	10	11	13	14	16	17	27	22	14	12	
T3CKLA	Yfiler™ Plus																	
4	36,38,39	11	12	15	13	20	31	21	10	11	13	14	16	17	10	27	39	12
TQ2CGW																		
4	{10}																	
TT7XDA																		
4	10																	
TVFC6	Yfiler™, GlobalFiler™																	
4	11	12	15	13	20	31	21	10	11	13	14	16	17	22	12	2		

TABLE 2

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

Item 4 - YSTR Results

U3PQ6W	Yfiler™ Plus, GlobalFiler™									
	36,38,39		15	13	31	21	10	11	13	14
4	11	12	20	32	16	17	10	27		39
		12		20	16		19	22		12
										2
UB4M2Q	PowerPlex® Fusion									
							10			
4										
UFXCRV	GlobalFiler™									
							10			
4										
										2
VB36K8	GlobalFiler™									
							10			
4										
										2
VNNL6X	PowerPlex® Fusion 5C									
							10			
4										
VTLVLR	GlobalFiler™									
							10			
4										
										2
WV7F7	PowerPlex® Y 23, GlobalFiler™									
			15	13	31	21	10	11	13	14
4	11	12	20		16	17		27		
		12	12	20	16			22	14	12
										2
WNVJ4	Yfiler™, GlobalFiler™									
			15	13	31	21	10	11	13	14
4	11	12	20		16	17				
								22		12
										2
VXD33E	GlobalFiler™									
							10			
4										
										2
VY8XHV	PowerPlex® Fusion 5C									
							10			
4										
WK6J76	GlobalFiler™									
							10			
4										
										2
WMCWPR	GlobalFiler™									
							10			
4										
										2

TABLE 2

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

Item 4 - YSTR Results

WUAQL6	GlobalFiler™										
4	10										
	2										
WW4F4Z	Yfiler™, GlobalFiler™										
4	15	13	31	21	10	11	13	14			
	11	12	20	16	17			22	12	2	
X3GV4N	PowerPlex® Fusion 5C										
4	10										
X8Q7ZN	Yfiler™										
4	NA	NA	15,15	13	31	21	10	11	13	14	
	11	12	20	NA	16	17	NA	NA	NA	NA	
	NA	NA	NA	NA	NA	NA	NA	22	NA	12	2
XBVJ2W	PowerPlex® Fusion 5C										
4	10										
XNZVGV	Yfiler™ Plus, GlobalFiler™										
4	36,38,39	15	13	31	21	10	11	13	14		
	11	12	20	32	16	17	10	27	39		
		12		20	16		19	22	12	2	
XR3TRN	GlobalFiler™										
4	10										
	2										
XWWPEU	Yfiler™ Plus, GlobalFiler™										
4	36,38,39	15	13	31	21	10	11	13	14		
	11	12	20	32	16	17	10	27	39		
		12		20	16		19	22	12	2	
Y3FBYL	PowerPlex® Y 23										
4	15	13	31	21	10	11	13	14			
	11	12	20	16	17			27			
	12	12	20	16			22	14	12		
YFLBPJ	Yfiler™, Investigator® 24plex QS										
4	N/A	INC	15,15	13	31	21	10	11	13	14	
	11	12	20	N/A	16	17	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	12	N/A
Z3VW82	PowerPlex® Y, GlobalFiler™										
4	15	13	31	21	10	11	13	14			
	11	12	20	16	17			27			
	12	12	20	16			22	14	12	2	
Z4PMDG	PowerPlex® Y 23										
4	NR	15,15	13	31	21	10	11	13	14		
	11	12	20	16	17			27			
	12	12	20	16			22	14	12		

TABLE 2

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

Item 4 - YSTR Results

Z6HF7E	Yfiler™										
	-		15	13	31	21	10	11	13	14	
4	11	12	20	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	22	-	12	-
Z6ZJK7	GlobalFiler™										
							10				
4											
											2
ZBLJUR	PowerPlex® Fusion 5C										
							10				
4											
ZJD2AL	PowerPlex® Fusion 5C										
							10				
4											
ZKEM9L	PowerPlex® Y 23, GlobalFiler™										
			15	13	31	21	10	11	13	14	
4	11	12	20		16	17		27			
		12	12	20	16			22	14	12	2
ZKQPRZ	GlobalFiler™										
							10				
4											
											2

Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D10	CZLQTN					(14)			
D7	CZLQTN					(13)			
F13A01	9HBYZ9	6,13	6,7		6,7	6,7	6,7		
F13B	9HBYZ9	7,8	10		8,9,10	8,9	8,9,10		
FESFPS	9HBYZ9	10,11	10		10	10	10		
LPL	9HBYZ9	9,10	12,13		8,10,12,13	8,10	8,10,12,13		
PENTA C	9HBYZ9		9,12		9,12	12	9,12		

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
238UVJ	No	No	Yes	Yes	7H34L6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2L6B4M	No	No	Yes	Yes	7KBBRJ	No	No	Yes	Yes
2WJ976	No	No	Yes	Yes	7U2YLL	No	No	Yes	Yes
32DL9L	No	No	Yes	Yes	7XWN6E	No	No	Yes	Yes
3323G9	No	No	Yes	Yes	828346	No	No	Yes	Yes
399LLT	No	No	Yes	Yes	86CQPL	No	No	Yes	Yes
39TAYG	No	No	Yes	Yes	88Z8W9	No	No	Yes	Yes
3G223J	No	No	Yes	Yes	8A6X23	No	No	Yes	Yes
3GYCXM	No	No	Yes	Yes	8DPKYW	No	No	Yes	Yes
3VKLNx	No	No	Yes	Yes	8FVA26	No	No	Yes	Yes
447AUK	No	No	Yes	Yes	8FXXK6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
47EFFL	No	No	Yes	Yes	8G76MX	No	No	Yes	Yes
4RFHAG	No	No	Yes	Yes	8G9WJK	No	No	Yes	Yes
62XEP9	No	No	Yes	Yes	8JVFHW	No	No	Yes	Yes
6GF6V3	No	No	Yes	Yes	8LHTMU	No	No	Yes	Yes
6HP8JL	No	No	Yes	Yes	8MCJT9	No	No	Yes	Yes
6P9HTG	No	No	Yes	Yes	928HXG	No	No	Yes	Yes
6VDCPX	No	No	Yes	Yes	9HBYZ9	No	No	Yes	Yes
6Z6LWA	No	No	Yes	Yes	9UBNZH	No	No	Yes	Yes
748J6H	No	No	Yes	Yes	A2MYQN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
76HLVM	No	No	Yes	Yes	A6QUCC	No	No	Yes	Yes
78734A	No	No	Yes	Yes	A8CEHG	No	No	Yes	Yes
7BLMUV	No	No	Yes	Yes	AGZERY	No	No	Yes	Yes
7CFBCQ	No	No	Yes	Yes					

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
AKE6YE	No	No	Yes	Yes	GB9FJW	No	No	Yes	Yes
AULR49	No	No	Yes	Yes	GLMTE7	No	No	Yes	Yes
B6J6KK	No	No	Yes	Yes	GP8KNN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BC3D3P	No	No	Yes	Yes	H2WVD7	No	No	Yes	Yes
BHTKUB	No	No	Yes	Yes	H3N2PQ	No	No	Yes	Yes
BPPK4W	No	No	Yes	Yes	HB4HKK	No	No	Yes	Yes
C43BF4	No	No	Yes	Yes	HBH39P	No	No	Yes	Yes
C7TL9H	No	No	Yes	Yes	HL47HA	No	No	Yes	Yes
CCWHWN	No	No	Yes	Yes	HUG67T	No	No	Yes	Yes
CJJ7XL	No	No	Yes	Yes	HW7BN6	No	No	Yes	Yes
CZLQTN	No	No	Yes	Yes	HWP8Z6	No	No	Yes	Yes
D6VKQX	No Interp	No Interp	No Interp	No Interp	JMWJFL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D788K6	No	No	Yes	Yes	JPXM89	No	No	Yes	Yes
DHKKL7	No	No	Yes	Yes	JR8EGP	No	No	Yes	Yes
DJAX24	No	No	Yes	Yes	JRL4FV	No	No	Yes	Yes
DMTNQM	No	No	Yes	Yes	JY7274	No	No	Yes	Yes
DYPW9P	No	No	Yes	Yes	K4H7JP	No	No	Yes	Yes
E8E2FV	No	No	Yes	Yes	KAL4B3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E9BDGQ	No	No	Yes	Yes	KANTFY	No	No	Yes	Yes
EFA3XU	No	No	Yes	Yes	KPYJAR	No	No	Yes	Yes
EG3XEC	No	No	Yes	Yes	KQPPT3	No	No	Yes	Yes
EPV749	No	No	Yes	Yes	KV6D9T	No	No	Yes	Yes
FBUU7N	No	No	Yes	Yes	KXAZNJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FWCYUY	No	No	Yes	Yes	KYZ7Z3	No	No	Yes	Yes
FX3AMC	No	No	Yes	Yes	LG2476	No	No	Yes	Yes
G632DL	No	No	Yes	Yes					

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LJ3EUR	No	No	Yes	Yes	RKZQZV	No	No	Yes	Yes
LVZZM	No	No	Yes	Yes	RLC7UV	No	No	Yes	Yes
M22R8Z	No	No	Yes	Yes	RLP79H	No	No	Yes	Yes
M7Z2G2	No	No	Yes	Yes	RX8G33	No	No	Yes	Yes
M9ZALC	No	No	Yes	Yes	RX8N3A	No	No	Yes	Yes
MBQF4N	No	No	Yes	Yes	T3CKLA	No	No	Yes	Yes
MCJBK6	No	No	Yes	Yes	TBM4MK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ME3M2L	No	No	Yes	Yes	TQ2CGW	No	No	Yes	Yes
MKVRR6	No	No	Yes	Yes	TT7XDA	No	No	Yes	Yes
MQKZMW	No	No	Yes	Yes	TVCFC6	No	No	Yes	Yes
MTAD3U	No	No	Yes	Yes	U3PQ6W	No	No	Yes	Yes
MXZQ3W	No	No	Yes	Yes	UB4M2Q	No	No	Yes	Yes
N6XTN9	No Interpretations Reported, DNA Analyzed for Database purposes only.				UFXCRV	No	No	Yes	Yes
NBLMGZ	No	No	Yes	Yes	UZ7JYH	No	No	Yes	Yes
NJWWTY	No	No	Yes	Yes	VB36K8	No	No	Yes	Yes
NN9UEZ	No	No	Yes	Yes	VNNL6X	No	No	Yes	Yes
NVTPGP	No	No	Yes	Yes	VTLVLR	No	No	Yes	Yes
NWDZP	No	No	Yes	Yes	WL7F7	No	No	Yes	Yes
PFBGVC	No	No	Yes	Yes	WNVJ4	No	No	Yes	Yes
PTXNQR	No	No	Yes	Yes	VXD33E	No Interp	No Interp	No Interp	No Interp
PWHDEB	No	No	Yes	Yes	VY8XHV	No	No	Yes	Yes
QA3F73	No	No	Yes	Yes	W8V9A3	No	No	Yes	Yes
QQ8MK4	No	No	Yes	Yes	WK6J76	No	No	Yes	Yes
QQQNCD	No	No	Yes	Yes	WMCWPR	No	No	Yes	Yes
QVMDTK	No Interp		No Interp		WUAQL6	No	No	Yes	Yes
R3W22C	No	No	Yes	Yes	WV4F4Z	No	No	Yes	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
X3GV4N	No	No	Yes	Yes					
X8Q7ZN	No	No	Yes	Yes					
XBVJ2W	No	No	Yes	Yes					
XNZVGV	No	No	Yes	Yes					
XR3TRN	No	No	Yes	Yes					
XWWPEU	No	No	Yes	Yes					
Y3FBYL	No	No	Yes	Yes					
YFLBPJ	No	No	Yes	Yes					
Z3VW82	No	No	Yes	Yes					
Z4PMDG	No	No	Yes	Yes					
Z6HF7E	No	No	Yes	Yes					
Z6ZJK7	No	No	Yes	Yes					
ZBLJUR	No	No	Yes	Yes					
ZJD2AL	No	No	Yes	Yes					
ZKEM9L	No	No	Yes	Yes					
ZKQPRZ	No	No	Yes	Yes					
ZLJFXE	No	No	Yes	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 167		
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		Item 3	Item 4	Item 3	Item 4
Yes		0	0	155	155
No		155	155	0	0
Inc		0	0	0	0
No Interpretation		3	2	3	2
No Response		0	1	0	1

Participants analyzing DNA for database purposes only: 9

Additional Comments

TABLE 5

WebCode	Additional Comments
2L6B4M	Globalfiler and Yfiler results for locus DYS391 for items 3sp and 4 are concordant. Yindel results from Globalfiler were added to YSTR data for items 3sp, and 4. DYS391 and Yindel results from Globalfiler were added to YSTR data for item 3e. Null allele observed at DYS19 for items 3sp and 4.
2WJ976	NR = No Result
32DL9L	A null allele was observed at YSTR locus DYS19 for item 4 and the sperm fraction of 3. Concordant results were obtained in Globalfiler and Yfiler at YSTR locus DYS391 for item 4 and the sperm fraction of item 3.
3323G9	DNA extraction was by phenol-chloroform method. Separation and detection was on the ABI 3500xL Genetic Analyzer and analysis was by GeneMapper® ID-X v 1.5. In Y-STR results from DNA of Item 3 and Item 4, there was no allele detected at locus DYS19.
39TAYG	Item 3 and Item 4 showed a deletion for Y-STR genetic marker DYS19. According to our procedures, this marker (DYS19) is reported as inconclusive (INC).
3VKLNx	Item 3 = two person mixture: suspect (minor) + unknown male. LR = (Item 2 + unk) / 2 unk = 2.05 E+02. Item 4 = two person mixture: suspect (major) + unknown male. LR = (Item 2 + unk) / 2 unk = 4.33 E+14. LR calculated by LRmixStudio.
447AUK	Apparent null allele observed for DYS19 for items 3 and 4 using PowerPlex Y23.
62XEP9	1. Item 1 and Item 2 were extracted using in-situ extraction method. 2. Item 3 were extracted using Chelex method. 3. Item 4 were extracted through solid phase extraction method using DNAIQ extraction kit on Tecan Freedom Evo 150. 4. Quantification was carried out on Item3 and Item 4 using Quantifiler Human DNA Quantification kit on 7500 Real Time PCR system. 5. Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct kit. 6. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus kit. 7. Y-STR did not carried out on Item 2. 8. Y-STR was carried out on Item 1, Item 3 and Item 4 using the AmpFISTR Y-File Amplification kit. 9. Electrophoresis was carried out using Genetic Analyzer 3130xL. 10.Y-STR results on Item 3 and Item 4 give null-allele at locus DYS19. 11. Reagent Blank, Positive Control and Negative Control were incorporated throughout the analysis and gave intended result.
6GF6V3	NR=No Results
6HP8JL	A differential extraction was performed on Item 3. The suspect was included in the non-sperm fraction, but was excluded from the sperm fraction.
6P9HTG	Items #3e, #3sp, and #4: No data obtained at DYS19 with Y-filer amplification kit.
6VDCPX	DYS391 is in both Globalfiler and Powerplex Y23 amplification kits.
6Z6LWA	NR= No result
748J6H	[] Indicates minor allele/s and alleles between analytical and stochastic thresholds. Locus DYS19 for samples 03e, 03sp and 04 did not provide any sized data when amplified with the Yfiler amplification kit.
7H34L6	No additional peaks were detected
7KBBRJ	N.D.: Not Detected
828346	A single source autosomal DNA profile was obtained from the DNA isolated from the sperm fraction of the blood and semen mixture from the questioned blood stain from the bed sheet (Item #3, DNAS#2017-018817EV1SF). This DNA profile was not found to be concordant with the DNA profile obtained from the reference sample for the male victim (Item #1, DNAS#2017-018817RE1); therefore, the male victim can be excluded as the source of the DNA profile obtained from the blood stain from the bed sheet. A mixed autosomal DNA profile that is consistent with originating from two contributors with at least one male contributor was obtained from the DNA isolated from the epithelial fraction from the questioned blood and semen stain from the bed sheet (Item #3, DNAS#2017-018817EV1EF). The major component of this mixed DNA profile was found to be consistent with the DNA profile obtained from the reference sample from the female suspect (Item #2, DNAS#2017-018817RE2); therefore, the female suspect cannot be excluded as the source of the major DNA profile obtained from the epithelial fraction from the questioned blood and semen stain from the bed sheet. The probability of observing this obtained

TABLE 5

WebCode	Additional Comments
	profile in an unrelated, random individual is approximately 1 in 1.6186x10 ²⁵ in the Caucasian population, 1 in 3.8574x10 ²⁶ in the African-American population, or 1 in 2.3418x10 ²⁶ in the Hispanic population. The minor component observed in the epithelial fraction is consistent with the single source profile obtained from the sperm fraction. The male victim (Item #1, DNAS#2017-018817RE1) can be excluded as a contributor to the DNA mixture of the epithelial fraction, as well as the single source sperm fraction profile obtained from the bed sheet (Item #3, DNAS#2017-018817EV1). An indistinguishable autosomal DNA profile that is consistent with originating from 2 contributors with at least one male contributor was obtained from the DNA isolated from the questioned blood stain from the handkerchief (Item #4, DNAS#2017-018817EV2). The DNA profile obtained from the suspect's reference sample (Item #2, DNAS#2017-018817RE2) could not be excluded as a contributor to the mixture profile obtained from the handkerchief. A single source Y-STR profile was obtained from the DNA isolated from the blood and semen stain from the bed sheet (Item #3, DNAS#2017-018817EV1EF and DNAS#2017-018817EV1SF) for both the epithelial fraction and sperm fraction. A single source Y-STR profile was obtained from the DNA isolated from the blood stain from the handkerchief (Item #4, DNAS#2017-018817EV2). The obtained Y-STR profiles were found not to be concordant with the DNA profile obtained from the male victim's reference sample (Item #1, DNAS#2017-018817RE1) and were from an unknown individual. Therefore, the male victim can be excluded as the source of the Y-STR profile obtained from the bed sheet and the handkerchief.
88Z8W9	In Item 3 unknown male contributor is present
8A6X23	Multiplex PCR amplifications were performed on the Organic @ Phenol/Chloroform (Item 1, Item 2, Item 3 and Item 4) extracted DNA samples using the Applied Biosystems AmpFiSTR® Identifiler® Plus (STR) and Yfiler® (YSTR) amplification kits. Separation and detection of the amplified products were carried out using the Applied Biosystems 3500xL Genetic Analyzer and the data was analyzed by GeneMapper® ID-X v1.5 software. No allele was detected on the YSTR DNA locus DYS19 for Item 3 and Item 4.
8G76MX	NR = No Results
A2MYQN	DYS391 YF and GF data results were concordant for Item 1.
A6QUCC	Item 2 is included only in the epithelial fraction of item 3.
AGZERY	There was an unknown male DNA profile obtained from the semen on Item 3.
BHTKUB	Primer mutation at DYS19 observed in Item 4; re-amplified to confirm.
BPPK4W	NR = No results
CJJ7XL	DYS391 results were concordant between Yfiler and Globalfiler. Apparent null allele for locus DYS19 (Yfiler kit) for Items 3 and 4. No profiling results obtained at this locus for Items 3 and 4.
CZLQTN	Elevated stutter at D7 and D10 - item 3 sperm fraction (details entered on page 6 [Table 1]).
D788K6	Item 3 and Item 4 exhibited a deletion of Y-STR genetic marker DYS19. Under our procedures this marker is reported as INC (Inconclusive).
DHKKL7	No result obtained for Item 4 at DYS19 locus - possible primer binding site mutation. Confirmed null allele by re-amplification.
DJAX24	Differential extraction not carried out on item 4 as AP negative in our testing and recorded as positive for blood only in the information provided. Y-STR profiling not carried out on suspect reference sample given it is female in origin. F at DYS19 in Y-STR results from crime stain items denotes a null allele (using PPY23).
DMTNQM	Item 3 and 4 YSTR result maleA no peak at DYS19 (possible deletion/primer binding site mutation). Only 1 peak at DYS385 (in our opinion both copies are 15). Item 3 very slight elevated stutter at D13, allele 15 (only 6rfu remain after forward stutter removed)
E8E2FV	Allele at locus "DY19" for Item 3 and Item 4 was not detected.
E9BDGQ	NR = No Results
EPV749	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. NA - Indicates a null allele at DYS19 for items 3e, 3sp and 4. The samples were each amplified multiple times with the same

TABLE 5

WebCode	Additional Comments
	result.
G632DL	Note that NR stands for NO RESULT as the location was typed and no results were obtained. It should be noted that the scenario given stated that the stain from the bed sheet was previously screened and found to contain both blood and semen. However, it was officially submitted as a 'Questioned Blood Stain' only. Please note that Items 3 and 4 were severely inhibited samples and required numerous amplifications.
GB9FJW	NR = no result
GLMTE7	No allele was detected at DYS19 (using YFiler) on Items 3 and 4. Concordant results were obtained at DYS391 in GlobalFiler and YFiler for items 3-1 and 4-1.
GP8KNN	NR = No Result
HB4HKK	Item 3's Y-STR profile included a null allele at DYS19, and a tri-allelic pattern at DYF387S1. Item 4's Y-STR profile included a null allele at DYS19, and a tri-allelic pattern at DYF387S1.
HBH39P	NR=none reported
HUG67T	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzers with GeneMapper ID Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
JMWJFL	NR = No Result
JR8EGP	Item 3, PowerPlex Y23, DYS 19 - our result is N which means NEGATIVE result in this system. Item 4, PowerPlex Y23, DYS 19- our result is N which means NEGATIVE result in this system
KANTFY	possible tri-allele locus DYF387S1. Items 3E, 3S and 4 possible primer binding site mutation locus DYS19 Items 3E, 3S and 4.
KPYJAR	1. Item 3: DNA profile obtained from the seminal fraction belongs to an unknown male which excludes the male victim. DNA profile obtained from the epithelial fraction is a mixture of the female suspect and the same unknown male presented in the seminal fraction. Both the Y-STRs of the epithelial fraction and seminal fraction exclude the male victim. 2. Item 4: DNA profile obtained from Item 4 is a mixture of the female suspect and an unknown male presented in Item 3 seminal fraction. The Y-STR of Item 4 also excludes the male victim. 3. Since the DNA profiles obtained from both Item 3 and 4 all exclude the male victim, therefore, whether Item 3 and 4 evidence are related with this case or not need to be clarified.
KQPPT3	Note: A possible null allele is present on DYS19 for Items 3 and 4 when amplified using the YFiler amplification kit. The null allele was confirmed upon obtaining the same results after re-amplification of those Items.
KV6D9T	Item 4: D8S1179 allele (15) is below stochastic threshold. NR= No Results.
KXAZNJ	NR = No results
LJ3EUR	1. Item 1 and 2 were extracted using in-situ method and amplified using AmpFISTR Direct Kit. 2. Item 3 & 4 were extracted using Chelex Extraction, quantification using Quantifiler Human DNA Quantification Kit and Amplified using Identifiler Plus STR-Kit. 3.Y-STR was carried out for Item 1, 3 and 4. For item 3 and 4, null allele was detected at locus DYS19. 4. Electrophoresis was carried out using 3130xl Genetic Analyzer. 5. Reagent blank, positive control and negative control were also incorporate throughout the analysis, which gave the intended results.
M22R8Z	"[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. No allelic data obtained at DYS19 in samples #3e, #3sp, and #4.
M7Z2G2	GlobalFiler and Y-STR DNA results at DYS391 were concordant for items 3 and 4. Y-Indel results were obtained using the GlobalFiler STR amplification kit.

TABLE 5

WebCode	Additional Comments
M9ZALC	Globalfiler and Yfiler results at DYS391 are concordant for items 3sp and 4. Additional Globalfiler results for item 3e, 3sp, and 4 are: Y-Indel is 2. Null allele observed at DYS19 for items 3sp and 4.
MXZQ3W	Item 3 and Item 4 exhibited a deletion for Y-STR genetic marker DYS19. According to our procedures, this marker is reported as INC (Inconclusive).
N6XTN9	I am only trained in databasing, therefore my data interpretation is limited to allele calls.
NJWWTY	DYS391 results for 3A1-1SP and 4A-1 from Globalfiler were concordant with their respective Y-STR profile generated with Y-Filer. Additionally, a null allele was detected for 3A1-1SP and 4A-1 at DYS19 in Yfiler.
NN9UEZ	A possible null allele was noted at DYS19 for items 3 and 4 using amplification kit PowerPlex Y23.
NVTPGP	1. Item 3 was extracted using Chelex Extraction. 2. Item 4 was extracted using ABI Prepfilier Express. 3. Then it was quantified using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. 4 Electrophoresis process were carried out by Genetic Analyzer 3500xl for Item 1 to Item 4. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
QQQNCD	The itemized listing for item 3 states that it is a "Questioned blood stain from the bed sheet". This is a false statement as the scenario says that screening detected both blood and semen. The male DNA profile associated with items 3 and 4 has a null allele at DYS19. This null allele was confirmed by multiple amplifications.
QVMDTK	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
RKZQZV	The results at locus DYS391 are concordant between GlobalFiler and Y-Filer for items 3 SP and 4. In addition, the result at DYS391 for item 3e is 10 and the result at Y Indel for this item is 2. No allele called at DYS19 for items 3 SP and 4.
RLC7UV	DYS391 results for items 3sp and 4 were concordant in GlobalFiler and Yfiler. Null results were obtained at DYS19 for items 3sp and 4.
TBM4MK	NR= No results obtained for the locus
TQ2CGW	{DNA Result} = Inconclusive. Primary component for Item 4 designated at the following loci: D3S1358, vWA, D16S539, CSF1PO, TPOX, D8S1179, D21S11, D18S51, D2S441, D19S433, TH01, FGA, D22S1045, D5S818, D13S317, D7S820, SE33, D10S1248, D1S1656, D12S391, D2S1338, and Amelogenin.
WNVJ4	Concordant results were obtained for items 3 and 4 at locus DYS391 in GlobalFiler and YFiler. Y-indel typed in GlobalFiler. Null allele at locus DYS19 in YFiler for items 3 and 4.
VXD33E	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
WMCWPR	Probabilistic genotyping (STRmix) used for data analysis with stutter peaks unfiltered. Alleles comprising genotype combinations with total weightings of 99% or greater reported. Item #2 (suspect) could not be excluded as a possible contributor to the mixture obtained from the epithelial fraction of item #3 (bed sheet); however, item #2 (suspect) is excluded as a contributor to the sperm fraction of item #3 (bed sheet). NR = No result. Q = possible allelic drop-out.
X8Q7ZN	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. For DYS19, there were no peaks present in samples #3 and #4, for Yfiler data, for these samples the loci were reported as NA on the table.
XR3TRN	A "-" at DYS19 in Item 3 sp means no results were obtained for that locus.
Y3FBYL	DNA-extraction was performed with several extraction methods (Item 3: Chelex extraction, EZ1 and Maxwell 16, Item 4: EZ1 and Maxwell 16), but the Y-STR loci DYS19 did not give any result with PowerPlex Y23.
YFLBPJ	Items 3 and 4 exhibited a deletion for Y-STR genetic marker DYS19. Under our procedures, this marker is

TABLE 5

WebCode	Additional Comments
	reported as INC (inconclusive).
Z4PMDG	NR= No result
Z6HF7E	1. Item 1 and Item 2 were extracted using in-situ method and amplified using AmpFISTR Identifiler Direct in the 9700 Thermal cycler. 2. Item 3 and Item 4 were extracted using Chelex method. Then, it was quantified using Quantifiler Human DNA quantitation kit and carried out 7500 Real Time PCR. Amplification done using AmpFISTR Identifiler Plus kit. 3. Item 1, Item 3 and Item 4 were amplified using Yfiler kit in the 9700 Thermal Cycler. 4. Reagent blank, positive and negative control were carried out along with the analysis and all gave the intended results. 5. On Item 3 and Item 4 null allele was detected at locus DYS19.
Z6ZJK7	NR = No Results

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 17-5806: DNA-Mixture

DATA MUST BE RECEIVED BY December 18, 2017 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section on the last page must be completed and submitted.)
- This participant's data is **NOT** intended for submission to ASCLD/LAB, ANAB or A2LA.

Scenario:

Police are investigating the sexual assault of a male victim. According to the victim's statement, he believes that he was drugged by a woman he met at his house party. He awoke the next morning in his bed with rectal bleeding. Upon further investigation, a red stain was found on his bed sheet as well as a red stained handkerchief by the foot of the bed. Based on the suspect's description, a female suspect was soon identified and apprehended. Investigators are submitting the stains from both the bed sheet (Item 3) and the handkerchief (Item 4) for additional testing. Screening has been performed on both samples with the following results: Item 3 (bed sheet) is positive for blood and semen, and Item 4 (handkerchief) is positive for blood. The screening lab is submitting these samples (Items 3 and 4) along with known blood samples of the male victim and female suspect.

Items Submitted (Sample Pack S6):

- Item 1: Known blood from the male victim
- Item 2: Known blood from the female suspect
- Item 3: Questioned blood stain from the bed sheet (white)
- Item 4: Questioned blood stain from the handkerchief (green)

Please return all pages of this data sheet.

Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

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

- * Report alleles in numerical order, separated by a comma.
- * Follow your laboratory policy for reporting homozygotes.
- * If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- * Stains with more than one contributor: If a differential extraction is performed, split the box with a horizontal line and report the results of the different fractions above and below the line - indicate which is the sperm fraction (sp) and which is the epithelial fraction (e) (Example A); otherwise, list the alleles in numerical order (Example B).

Example	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818	
A	<i>e</i>	10,11	15,16	8	12,13	7	8
	<i>sp</i>	12,13	15,17	8,17	11	14,15	11,13
B	[10],[11],12,13	15,[16],17	8,17	[11],12,13	7,14,15	8,11,13	

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

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

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

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

Additional DNA Results:

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

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

Please return all pages of this data sheet.

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

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

Identifiler® _____
 PowerPlex® _____
 Investigator® 24plex _____

GlobalFiler™ _____
 COfiler®/Profiler Plus® _____
 ForenSeq™ Other _____

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

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

Yfiler® _____
 PowerPlex® Fusion _____
 Investigator® 24plex _____

PowerPlex® Y _____
 GlobalFiler™ _____
 ForenSeq™ Other _____

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

Please return all pages of this data sheet.

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

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

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

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

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

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

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

Please return all pages of this data sheet.

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

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

Identifiler® _____
 PowerPlex® _____
 Investigator® 24plex _____

GlobalFiler™ _____
 COfiler®/Profiler Plus® _____
 ForenSeq™ _____
 Other _____

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

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

Yfiler® _____
 PowerPlex® Fusion _____
 Investigator® 24plex _____

PowerPlex® Y _____
 GlobalFiler™ _____
 ForenSeq™ _____
 Other _____

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

Please return all pages of this data sheet.

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

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

Identifiler® _____
 PowerPlex® _____
 Investigator® 24plex _____

GlobalFiler™ _____
 COfiler®/Profiler Plus® _____
 ForenSeq™ _____
 Other _____

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

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

Yfiler® _____
 PowerPlex® Fusion _____
 Investigator® 24plex _____

PowerPlex® Y _____
 GlobalFiler™ _____
 ForenSeq™ _____
 Other _____

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

Please return all pages of this data sheet.

Part II: DNA INTERPRETATION

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

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

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

Part IV: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

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

Note: Laboratories submitting their results for ASCLD/LAB 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.

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by **December 18, 2017** to be included in the report. Emailed data sheets are not accepted.

ONLINE DATA ENTRY: www.cts-portal.com

QUESTIONS? FAX: +1-571-434-1937

TEL: +1-571-434-1925 (8 am - 4:30 pm EST) MAIL: Collaborative Testing Services, Inc.

EMAIL: forensics@cts-interlab.com P.O. Box 650820

www.ctsforensics.com Sterling, VA 20165-0820 USA

Please return all pages of this data sheet.

Collaborative Testing Services - Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **17-5806: DNA-Mixture**

This release page must be completed and received by **December 18, 2017** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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

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

ASCLD/LAB Certificate No. _____

ANAB Certificate No. _____

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

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

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

Please return all pages of this data sheet.