



DNA-Mixture Test No. 16-586 Summary Report

This proficiency test was sent to 160 participants. 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 144 participants (90% response rate) 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, burgundy checkered material (Item 3) and one on clean, pink material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1 and 2 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 3 was a mixture prepared from human whole blood. Item 4 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196°C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 4 substrate. Item 1 ($75\ \mu\text{l}$) was prepared using blood collected from a female donor. Item 2 ($75\ \mu\text{l}$) was prepared using blood collected from a male donor. Item 3 ($50\ \mu\text{l}$) was a mixture of blood from the Item 1 female donor and blood from the Item 2 male donor. Item 4 ($50\ \mu\text{l}$) was a mixture containing blood from the Item 1 female donor and semen from the Item 2 male donor. 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 18, 2016 following receipt of predistribution results.

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were placed in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled Marvel 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 results and associations.

Manufacturer's Information, continued

Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA
1	14,17.3	23,24	14,14	15,18	7,13	10,10
	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
	9,14	12,14	24.2,26	6,7	8,9	16,17
2	13,16	17,26	12,14	15,15.2	11,12	10,11
	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
	9,11	13,18	17,22	7,7	8,9	15,16
3	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	17,22,24.2,26	6,7	8,9	15,16,17
4-Blood	14,17.3	23,24	14,14	15,18	7,13	10,10
	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
	9,14	12,14	24.2,26	6,7	8,9	16,17
4-Semen	13,16	17,26	12,14	15,15.2	11,12	10,11
	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
	9,11	13,18	17,22	7,7	8,9	15,16

YSTR Results

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

Item	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel	
	2	14	13,14	12	26	22	10	11
16		10	12	21	15	15	26	11
11		20	16	21	12	10	*	
3	14	13,14	12	26	22	10	11	13
	16	10	12	21	15	15	26	11
	*	20	16	21	*	10	*	
4-Semen	14	13,14	12	26	22	10	11	13
	16	10	12	21	15	15	26	11
	11	20	16	21	12	10	2	

* Results were not received from a minimum of 10 participants for the 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 where screening has already been completed. 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 female donor, and Item 2 was blood collected from a male donor. Item 3 was a mixture containing blood from the Item 1 female donor and Item 2 male donor. Item 4 was a mixture containing blood from the Item 1 female donor and semen from the Item 2 male donor. (See Manufacturer's Information for preparation details)

Of the 144 responding participants, 136 reported DNA interpretations and the remaining eight participants stated they analyzed the samples for database purposes only. There were 135 participants that included the victim (Item 1) as a possible contributor to the Item 3 mixture, while one did not report a conclusion. There were 133 participants that included the victim (Item 1) as a possible contributor to the Item 4 mixture, while one excluded the victim (Item 1) and two did not report a conclusion. There were 132 participants that included the suspect (Item 2) as a possible contributor to the Item 3 mixture, while two participants excluded the suspect, one reported inconclusive and one did not report a conclusion. There were 134 participants that included the suspect (Item 2) as a possible contributor in the Item 4 mixture, while two participants did not report conclusions.

Twenty participants reported allelic results that differed from the consensus/predistribution results. Of these, eleven were missing alleles at one or more loci, four reported additional alleles at one or more loci, and two reported inconsistent alleles at one or more loci. Two participants had a combination of missing alleles, inconsistent alleles and/or additional alleles at one or more loci. And one participant reported the notation "OL" for the allele call "15.2" at locus D3S1358 for Items 2, 3 and 4.

Amplification Kit(s) & STR Results

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

2D3RGE	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
2F6WN8	<i>PowerPlex® Fusion, ESX 17</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
	9,14	12,14	24.2,26	6,7	8,9	16,17
2M4E66	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
2XK6P9	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
2ZTDXT	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
3C2D8R	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
3J2XC8	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
3RFJJC	<i>Qiagen Investigator® ESSplex Plus</i>					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X,X		21,24
				6,7		16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

3TTDZC	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
3VD3H4	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
42LQV6	<i>PowerPlex® ESX 16 Fast</i>					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X		21,24
				6,7		16,17
48NXFE	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
4ABGC7	<i>PowerPlex® 21</i>					
	14,17.3	23,24		15,18	7,13	10
1	12,15		19,20	9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
4E74CL	<i>Identifiler®</i>					
	N/A	23,34	N/A	15,18	7,13	10,10
1	12,15	N/A	N/A	9,13	10,12	12,15
	13,14	29,31.2	N/A	X,X	11,12	21,24
	N/A	N/A	N/A	6,7	8,9	16,17
4MFRPJ	<i>Identifiler®</i>					
	N/A	23,24	N/A	15,18	7,13	10,10
1	12,15	N/A	N/A	9,13	10,12	12,15
	13,14	29,31.2	N/A	X,X	11,12	21,24
	N/A	N/A	N/A	6,7	8,9	16,17
4VCPE8	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
6ANK8A	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

6EL8YC	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
6KQNT7	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
72CQQL	<i>Identifiler®</i>					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X,X		21,24
				6,7		16,17
73LXTE	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
7CNZA6	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
7K28UF	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
87WB3Z	<i>NGM Select™</i>					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X,X		21,24
			24.2,26	6,7		16,17
8FPLG3	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
8GK3VK	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

8J8LUW	<i>GlobalFiler™</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
8XNGEY	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
996HBK	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
9BNVR2	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
9D33F4	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
9GV9PZ	<i>Identifiler®</i>					
	N/A	23,24	N/A	15,18	7,13	10,10
1	12,15	N/A	N/A	9,13	10,12	12,15
	13,14	29,31.2	N/A	X,X	11,12	21,24
	N/A	N/A	N/A	6,7	8,9	16,17
9L7JHU	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
9M4MFC	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
AT49YY	<i>PowerPlex® Fusion, AmpFLSTR NGM</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
	9,14	12,14	not tested	6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

ATPYRJ	<i>PowerPlex® 16</i>					
1	12,15			15,18 9,13	7,13 10,12	10,10 12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
B4M6JW	<i>Identifiler® Direct</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
BD8D2X	<i>Identifiler®</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
C6RCYU	<i>Identifiler® Plus</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
C7PK8D	<i>PowerPlex® 21</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
CDNAMW	<i>GlobalFiler™</i>					
1	14,17.3 12,15	23,24 13,15	14 19,20	15,18 9,13	7,13 10,12	10 12,15
	13,14	29,31.2	15	X	11,12	21,24
			24.2,26	6,7	8,9	16,17
CHWDTY	<i>GlobalFiler™</i>					
1	14,17.3 12,15	23,24 13,15	14,14 19,20	15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
CPVYKY	<i>Identifiler®</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10 12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
D8V8EQ	<i>GlobalFiler</i>					
1	14,17.3 12,15	23,24 13,15	14,14 19,20	15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

DAZPLY	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
DDZ2ED	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
DN3G3X	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
DPW89C	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
DVJZKC	<i>Identifiler®</i>					
	n/a	23,24	n/a	15,18	7,13	10,10
1	12,15	n/a	n/a	9,13	10,12	12,15
	13,14	29,31.2	n/a	X,X	11,12	21,24
	n/a	n/a	n/a	6,7	8,9	16,17
E9PCCW	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
ENCXQV	<i>Identifiler® Plus, NGM</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
				6,7	8,9	16,17
EREN43	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
EX7XCE	<i>PowerPlex® 16 HS</i>					
				15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

FJEV3L	<i>Identifiler® Plex Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
					8,9	16,17
FNAH22	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
FP6XEX	<i>NGM Select™</i>					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X,X		21,24
			24.2,26	6,7		16,17
FZMPUV	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
G9Y2QT	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
GAMPQZ	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
GCB2P6	<i>GlobalFiler™ Express</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
	NT	NT	24.2,26	6,7	8,9	16,17
GMW6W6	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
GP3VZD	<i>PowerPlex® 16 HS</i>					
				15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

HA7VN6	GlobalFiler™					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
HQB6RB	Identifiler® Plus					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
HWJQF9	Identifiler® Plus					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
HXPB49	Identifiler® Plus					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
K7VUF3	Identifiler®					
	N/A	23,24	N/A	15,18	7,13	10,10
1	12,15	N/A	N/A	9,13	10,12	12,15
	13,14	29,31.2	N/A	X,X	11,12	21,24
	N/A	N/A	N/A	6,7	8,9	16,17
K96LNJ	GlobalFiler™					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
KC32HZ	GlobalFiler™					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
KGAWTN	Identifiler®					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
KPB4G4	Identifiler®					
	n/a	23,24	n/a	15,18	7,13	10,10
1	12,15	n/a	n/a	9,13	10,12	12,15
	13,14	29,31.2	n/a	X,X	11,12	21,24
	n/a	n/a	n/a	6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

KUJ8PQ	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
L3R7UL	<i>Identifiler® +</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
L4MY96	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
L8468Z	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
LBPQZM	<i>GlobalFiler™</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
			24.2,26	6,7	8,9	16,17
LDVCRU	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
LP7QQL	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
LTMFPP	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
LTP2L6	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

LVCKKH	<i>GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
M43KH8	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
MBKXFK	<i>GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
NK7C3M	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
NRYRJE	<i>NGM Select™</i>					
	14,17.3	23,24	14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15	X		21,24
			24.2,26	6,7		16,17
P974WP	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
PA2PMV	<i>PowerPlex® 16 HS</i>					
				15,18	7,13	10
1	12,15			9,13	10,12	12,15
		29,31.2		X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
PA3LUK	<i>Identifiler®</i>					
	N/A	23,24	N/A	15,18	7,13	10,10
1	12,15	N/A	N/A	9,13	10,12	12,15
	13,14	29,31.2	N/A	X,X	11,12	21,24
	N/A	N/A	N/A	6,7	8,9	16,17
PBBZWK	<i>GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

PKLX8H	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
PM4F6U	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
PQAMNL	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
Q62WQH	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
QCMP44	<i>GlobalFiler™ Express</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
QEPTU6	<i>PowerPlex® 16 HS</i>					
				15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
QERHWG	<i>PowerPlex® 21</i>					
	14,17.3	23,24		15,18	7,13	10,10
1	12,15		19,20	9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
QJKK22	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
QJZ4LY	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

QLBL66	<i>PowerPlex® 16</i>					
1	12,15			15,18 9,13	7,13 10,12	10,10 12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
QNUXLL	<i>Identifiler® Plus</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10 12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
QRGFZZ	<i>Identifiler® Plus</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
QT8G43	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
1	14,17.3 12,15	23,24 13,15	14,14 19,20	15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
QVD4HT	<i>PowerPlex® 16 HS</i>					
1	12,15			15,18 9,13	7,13 10,12	10 12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
QWM9UV	<i>GlobalFiler™</i>					
1	14,17.3 12,15	23,24 13,15	14,14 19,20	15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
RELNR2	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
1	14,17.3 12,15	23,24 13,15	14,14 19,20	15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
RLPRJK	<i>Identifiler® Plus</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10 12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
RN8W9H	<i>Identifiler® Plus</i>					
1	12,15	23,24		15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

RQ48CX	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
RWC3G	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
TD9KCF	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
TNA27Q	<i>GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
TURBCF	<i>Identifiler® , PowerPlex® 16 HS</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
TY9JZE	<i>RI Identifiler +</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
UMEFDZ	<i>PowerPlex® ESX 17, GlobalFiler™ Express</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
UTE4NC	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
UUUJZT	<i>GlobalFiler™</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
			24.2,26	6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

UXAQNT	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
V64DUH	<i>PowerPlex® Fusion</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
VAHXVC	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
VFBT2Q	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
VFMP9G	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
VFMTXK	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
VGJ97B	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
VQ68ZM	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
VQ848C	<i>PowerPlex® 21</i>					
	14,17.3	23,24		15,18	7,13	10,10
1	12,15		19,20	9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

VU882K	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
VXPEG8	<i>GlobalFiler™ Express</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
			24.2,26	6,7	8,9	16,17
W3F4HW	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
WM6KLP	<i>PowerPlex® Fusion</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
WT8PCN	<i>Identifiler® Direct</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
WWRNLC	<i>PowerPlex® ESI Fast</i>					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X,X		21,24
			24.2,26	6,7		16,17
X3ENKP	<i>PowerPlex® Fusion</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
X4L7JK	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
XFZ2YK	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

XGABPW	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
XZPKQW	<i>PowerPlex® 16</i>					
				15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
		29,31.2		X,X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
Y8JQ3B	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
Y9UQ4C	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
YQDMLQ	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
YR9BV9	<i>PowerPlex® CS7, ESI, PP21, GlobalFiler™</i>					
	14,17.3	23,24	14	15,18	7,13	10
1	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15	X	11,12	21,24
	9,14	12,14	24.2,26	6,7	8,9	16,17
Z8V42R	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
ZDKLHN	<i>Identifiler® Plus</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
ZDLF4F	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
1	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 1 - STR Results

ZWK9AM	NGM Select™					
	14,17.3	23,24	14,14	15,18		
1	12,15	13,15	19,20		10,12	12,15
	13,14	29,31.2	15,15	X,X		21,24
			24.2,26	6,7		16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

2D3RGE	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
2F6WN8	<i>PowerPlex® Fusion, ESX 17</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18	17,22	7	8,9	15,16
2M4E66	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
2XK6P9	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
2ZTDXT	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
3C2D8R	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
3J2XC8	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
3RFJKC	<i>Qiagen Investigator® ESSplex Plus</i>					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
				7,7		15,16
3TTDZC	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

3VD3H4	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
42LQV6	<i>PowerPlex® ESX 16 Fast</i>					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
				7,7		15,16
48NXFE	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
4ABGC7	<i>PowerPlex® 21</i>					
	13,16	17,26		15,15.2	11,12	10,11
2	13,14		17,20	13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
4E74CL	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
2	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
4MFRPJ	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
2	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
4VCP8	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
6ANK8A	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
6EL8YC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

6KQNT7	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
72CQQL						
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
				7,7		15,16
73LXTE	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
7CNZA6	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
7K28UF	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
87WB3Z	<i>NGM Select™</i>					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
			17,22	7,7		15,16
8FPLG3	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
8GK3VK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
8J8LUW	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,22	7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

8XNGEY	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
996HBK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9BNVR2	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9D33F4	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9GV9PZ	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
2	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
9L7JHU	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9M4MFC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
AT49YY	<i>PowerPlex® Fusion, AmpFLSTR NGM</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18	not tested	7	8,9	15,16
ATPYRJ	<i>PowerPlex® 16</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

B4M6JW	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
BD8D2X	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
C6RCYU	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
C7PK8D	<i>PowerPlex® 21</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
CDNAMW	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,22	7	8,9	15,16
CHWDTY	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
CPVYKY	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
D8V8EQ	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
DAZPLY	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

DDZ2ED	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
DN3G3X	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
DPW89C	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
DVJZKC	<i>Identifiler®</i>					
	n/a	17,26	n/a	15,15.2	11,12	10,11
2	13,14	n/a	n/a	13,14	10,11	13,15
	13,13.2	29,29	n/a	X,Y	7,10	21,24
	n/a	n/a	n/a	7,7	8,9	15,16
E9PCCW	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
ENCXQV	<i>Identifiler® Plus, NGM</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
				7	8,9	15,16
EREN43	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
EX7XCE	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
FJEV3L	<i>Identifiler® Plex Plus</i>					
		17,26		15,OL	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

FNAH22	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
FP6XEX	<i>NGM Select™</i>					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
			17,22	7,7		15,16
FZMPUV	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
G9Y2QT	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
GAMPQZ	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
GCB2P6	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
	NT	NT	17,22	7,7	8,9	15,16
GMW6W6	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
GP3VZD	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
HA7VN6	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

HQB6RB	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
HWJQF9	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7,7	8,9	15,16
HXPB49	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
K7VUF3	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
2	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
K96LNU	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
KC32HZ	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
KGAWTN	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
KPB4G4	<i>Identifiler®</i>					
	n/a	17,26	n/a	15,15.2	11,12	10,11
2	13,14	n/a	n/a	13,14	10,11	13,15
	13,13.2	29,29	n/a	X,Y	7,10	21,24
	n/a	n/a	n/a	7,7	8,9	15,16
KUJ8PQ	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

L3R7UL	<i>Identifiler® +</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
L4MY96	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
L8468Z	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LBPQZM	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,22	7	8,9	15,16
LDVCRU	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
LP7QQL	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LTMFPP	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LTP2L6	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LVCKKH	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

M43KH8	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
MBKXFK	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
NK7C3M	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
NRJRJE	<i>NGM Select™</i>					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,30	15,17	X,Y		21,24
			17,22	7		15,16
P974WP	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
PA2PMV	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29		X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
PA3LUK	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
2	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
PBBZWK	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
PKLX8H	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

PM4F6U	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
PQAMNL	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
Q62WQH	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
QCMP44	<i>GlobalFiler™ Express</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
QEPTU6	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
QERHWG	<i>PowerPlex® 21</i>					
	13,16	17,26		15,15.2	11,12	10,11
2	13,14		17,20	13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
QJJK22	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
QJZ4LY	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
QLBL66	<i>PowerPlex® 16</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

QNUXLL	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
QRGFZZ	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
QT8G43	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
QVD4HT	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29		X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
QWM9UV	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
RELNR2	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
RLPRJK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
RN8W9H	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
RQ48CX	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

RWC3G	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
TD9KCF	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
TNA27Q	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
TURBCF	<i>Identifiler® , PowerPlex® 16 HS</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
TY9JZE	<i>RI Identifiler +</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
UMEFDZ	<i>PowerPlex® ESX 17, GlobalFiler™ Express</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
UTE4NC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
UUUJZT	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,22	7	8,9	15,16
UXAQNT	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

V64DUH	<i>PowerPlex® Fusion</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
VAHXVC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
VFBT2Q	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VFMP9G	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VFMTXK	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VGJ97B	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
VQ68ZM	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VQ848C	<i>PowerPlex® 21</i>					
	13,16	17,26		15,15.2	11,12	10,11
2	13,14		17,20	13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
VU882K	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

VXPEG8	<i>GlobalFiler™ Express</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,22	7	8,9	15,16
W3F4HW	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
WM6KLP	<i>PowerPlex® Fusion</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
WT8PCN	<i>Identifiler® Direct</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
WWRNLC	<i>PowerPlex® ESI Fast</i>					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
			17,22	7,7		15,16
X3ENKP	<i>PowerPlex® Fusion</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
X4L7JK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
XFZ2YK	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
XGABPW	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 2 - STR Results

XZPKQW	PowerPlex® 16					
				15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
Y8JQ3B	Identifiler®					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
Y9UQ4C	Identifiler®					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
YQDMLQ	Identifiler® Plus					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
YR9BV9	PowerPlex® CS7, ESI, PP21, GlobalFiler™					
	13,16	17,26	12,14	15,15.2	11,12	10,11
2	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18	17,22	7	8,9	15,16
Z8V42R	Identifiler® Plus					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ZDKLHN	Identifiler® Plus					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ZDLF4F	Identifiler®					
		17,26		15,15.2	11,12	10,11
2	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ZWK9AM	NGM Select™					
	13,16	17,26	12,14	15,15.2		
2	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
			17,22	7,7		15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

2D3RGE	<i>Identifiler®</i>					
		17,23,24,26		15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,13.2,14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	15,16,17
2F6WN8	<i>PowerPlex® Fusion, ESX 17</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	17,22,24.2,26	6,7	8,9	15,16,17
2M4E66	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
2XK6P9	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
2ZTDXT	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
3C2D8R	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	[12],14,14	15,15.2,18	7,11,12,13	10,10,[11]
3	12,13,14,15	13,14,15	17,19,20	9,13,[14]	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,15,[17]	X,X,[Y]	7,10,11,12	21,24
			17,[22],24.2,26	6,7	8,9	15,16,17
3J2XC8	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
3RFJKC	<i>Qiagen Investigator® ESSplex Plus</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
3	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
				6,7		15,16,17
3TTDZC	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

3VD3H4	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
42LQV6	<i>PowerPlex® ESX 16 Fast</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
3	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
				6,7		15,16,17
48NXFE	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
4ABGC7	<i>PowerPlex® 21</i>					
	13,14,16,17.3	17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15		17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
4E74CL	<i>Identifiler®</i>					
	N/A	17,23,24,26	N/A	15,15.2,18	7,11,12,13	10,[11]
3	12,13,14,15	N/A	N/A	9,13,[14]	10,11,12	12,13,15
	13,[13.2],14	29,31.2	N/A	X,Y	7,10,11,12	21,24
	N/A	N/A	N/A	6,7	8,9	15,16,17
4MFRPJ	<i>Identifiler®</i>					
	N/A	17,23,24,[26]	N/A	15,[15.2],18	7,11,12,13	10,[11]
3	12,13,14,15	N/A	N/A	9,13,[14]	10,11,12	[12],[13],15
	13,[13.2],14	29,31.2	N/A	X,[Y]	7,10,[11],12	21,24
	N/A	N/A	N/A	[6],7	8,9	15,16,17
4VCPE8	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
6ANK8A	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
6EL8YC	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

6KQNT7	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
72CQQL	<i>Identifiler®</i>					
	(13),14,(16),17.3	(17),23,24,(26)	(12),14	15,(15.2),18		
3	12,(13,14),15	13,(14),15	(17),19,20		10,(11),12	12,(13),15
	13,(13.2),14	29,31.2	15,(17)	X,(Y)		21,24
				6,7		(15),16,17
73LXTE	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
7CNZA6	<i>Identifiler® Plus</i>					
		17,23,24,26		15,(15.2),(18)	7,11,12,13	10,(11)
3	12,13,14,15			9,13,14	10,(11),(12)	12,13,15
	13,(13.2),(14)	29,(31.2)		X,(Y)	7,10,11,12	21,24
				(6),7	8,9	(15),16,(17)
7K28UF	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
87WB3Z	<i>NGM Select™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
3	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			17,22,24.2,26	6,7		15,16,17
8GK3VK	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	16,17
8J8LUW	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14	15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,[17]	X,[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
8XNGEY	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

996HBK	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
9BNVR2	<i>Identifiler® Plus</i>					
		17,23,24		15,18	7,13	10,11
3	12,13,15			9,13,14	10,12	12,15
	13,14	29,31.2		X	10,11,12	21,24
				6,7	8,9	16,17
9D33F4	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
9GV9PZ	<i>Identifiler®</i>					
	N/A	[17],23,24,[26]	N/A	15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15	N/A	N/A	[9],13,[14]	10,[11],12	[12],[13],15
	13,[13.2],[14]	29,[31.2]	N/A	X,[Y]	[7],[10],11,12	21,24
	N/A	N/A	N/A	[6],7	8,[9]	[15],16,[17]
9L7JHU	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
9M4MFC	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
AT49YY	<i>PowerPlex® Fusion, AmpFLSTR NGM</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	not tested	6,7	8,9	15,16,17
ATPYRJ	<i>PowerPlex® 16</i>					
				15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
		29,[31.2]		X,[Y]	[7],[10],11,12	21,24
	9,[11],[14]	12,[13],14,[18]		6,7	8,9	[15],16,17
B4M6JW	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

BD8D2X	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
C6RCYU	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,[14]	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
C7PK8D	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,[Y]	7,10,11,12	21,24
				6,7	8,9	15,16,17
CHWDTY	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
CPVYKY	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
D8V8EQ	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
DAZPLY	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
DDZ2ED	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
DN3G3X	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

DPW89C	<i>Identifiler® Plus</i>					
		17,23,24,26		15,[15.2],[18]	7,11,12,13	10,[11]
3	12,13,14,15			9,13,[14]	10,[11],[12]	[12],[13],15
	13,[13.2],14	29,[31.2]		X,[Y]	7,10,11,12	21,24
				[6],7	8,9	[15],16,17
DVJZKC	<i>Identifiler®</i>					
	n/a	[17],23,24,[26]	n/a	15,[15.2],18	7,11,12,13	10,[11]
3	12,13,14,15	n/a	n/a	[9],13,[14]	10,[11],[12]	12,13,15
	13,13.2,14	29,[31.2]	n/a	X,[Y]	7,10,11,12	21,24
	n/a	n/a	n/a	[6],7	8,9	15,16,17
E9PCCW	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ENCXQV	<i>Identifiler® Plus, NGM</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
EREN43	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
EX7XCE	<i>PowerPlex® 16 HS</i>					
				15,[15.2],18	7,[11],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,12	12,[13],15
		29,31.2		X,[Y]	[7],11,12	21,24
	9,[11],14	12,14,[18]		6,7	8,9	16,17
FJEV3L	<i>Identifiler® Plex Plus</i>					
		17,23,24,26		15,OL,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
FP6XEX	<i>NGM Select™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14	15,[15.2],18		
3	12,[13],[14],15	13,[14],15	[17],19,20		10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,[17]	X,[Y]		21,24
			[17],[22],24.2,26	6,7		[15],16,17
FZMPUV	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

GAMPQZ	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
GCB2P6	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	NT	NT	17,22,24.2,26	6,7	8,9	15,16,17
GMW6W6	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
GP3VZD	<i>PowerPlex® 16 HS</i>					
				15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,14	10,[11],12	12,[13],15
		29,31.2		X,[Y]	[7],[10],11,12	21,24
	9,[11],14	12,[13],14,[18]		6,7	8,9	[15],16,17
HA7VN6	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	[12],14,14	15,15.2,18	7,11,12,13	10,10,[11]
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,29,[31.2]	15,15,[17]	X,Y	[7],10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
HQB6RB	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
HWJQF9	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
HXPB49	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
K7VUF3	<i>Identifiler®</i>					
	N/A	17,23,24,26	N/A	15,15.2,18	7,11,12,13	10,[11]
3	12,13,14,15	N/A	N/A	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,[31.2]	N/A	X,[Y]	7,10,11,12	21,24
	N/A	N/A	N/A	[6],7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

K96LNJ	GlobalFiler™						
		13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
	3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
		13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17	
KC32HZ	GlobalFiler™						
		[13],14,[16],17.3	[17],23,24,[26]	[12],14,14	15,[15.2],18	7,[11],[12],13	10,10,[11]
	3	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
		13,[13.2],14	29,31.2	15,15,[17]	X,X,[X],[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17	
KGAWTN	Identifiler®						
			17,23,24,26		15,15.2,18	7,11,12,13	10,11
	3	12,13,14,15			9,13,14	10,11,12	12,13,15
		13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17	
KPB4G4	Identifiler®						
		n/a	17,23,24,26	n/a	15,[15.2],[18]	7,11,12,13	10,[11]
	3	12,13,14,15	n/a	n/a	[9],13,[14]	10,[11],[12]	[12],13,[15]
		13,[13.2],[14]	29,[31.2]	n/a	X,[Y]	7,10,11,12	21,24
	n/a	n/a	n/a	[6],7	8,9	[15],16,[17]	
KUJ8PQ	Identifiler®						
			17,23,24,26		15,15.2,18	7,11,12,13	10,11
	3	12,13,14,15			9,13,14	10,11,12	12,13,15
		13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17	
L3R7UL	Identifiler® +						
			17,23,24,26		15,15.2,18	7,11,13	10,11
	3	12,13,14,15			9,13,14	10,11,12	12,15
		13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17	
L4MY96	Identifiler® Plus						
			17,23,24,26		15,15.2,18	7,11,12,13	10,11
	3	12,13,14,15			9,13,14	10,11,12	12,13,15
		13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17	
L8468Z	Identifiler® Plus						
			17,23,24,26		15,15.2,18	7,11,12,13	10,11
	3	12,13,14,15			9,13,14	10,11,12	12,13,15
		13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17	
LDVCRU	Identifiler® Plus						
			17,23,24,26		15,15.2,18	7,11,12,13	10,11
	3	12,13,14,15			9,13,14	10,11,12	12,13,15
		13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17	

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

LP7QQL	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
LTMFPP	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
LTP2L6	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
LVCKKH	<i>GlobalFiler™ (see interp)</i>					
	(13),14,(16),17.3	(17),23,24,(26)	(12),(14)	15,(15.2),18	7,(11),(12),13	10,(11)
3	12,(13),(14),15	13,(14),15	(17),19,20	9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2	15,(17)	X,(Y)	(7),(10),11,12	21,24
			(17),(22),24.2,26	6,7	8,9	(15),16,17
M43KH8	<i>GlobalFiler™</i>					
	13,14,[16],17.3	[17],23,24,26	[12],14,14	15,[15.2],18	7,11,12,13	10,10,[11]
3	12,13,[14],15	13,14,15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	7,10,11,12	21,24
			17,[22],24.2,26	6,7	8,9	[15],16,17
MBKXFK	<i>GlobalFiler™</i>					
	13,14,16,17.3	[17],23,24,[26]	[12],14	15,[15.2],18	7,11,12,13	10,[11]
3	12,13,14,15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,[31.2]	15,[17]	X,[Y]	7,10,11,12	21,24
			[17],[22],24.2,26	[6],7	8,9	[15],16,[17]
NK7C3M	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
NRYRJE	<i>NGM Select™</i>					
	13,14,16,17.3	17,23,24,25,26	12,14	15,15.2,18		
3	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			17,22,24.2,26	6,7		15,16,17
P974WP	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

PA2PMV	PowerPlex® 16 HS					
3	12,13,14,15			15,15.2,18 9,13,14	7,11,12,13 10,11,12	10,11 12,13,15
		29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
PA3LUK	Identifiler®					
3	N/A 12,(13),(14),15	(17),23,24,(26) N/A	N/A N/A	15,(15.2),18 9,13,(14)	7,(11),(12),13 10,(11),12	10,(11) 12,(13),15
	13,(13.2),14	29,31.2	N/A	X,(Y)	(7),(10),11,12	21,24
	N/A	N/A	N/A	6,7	8,9	(15),16,17
PBBZWK	GlobalFiler™					
3	14,17.3 12,15	23,24 13,15	14,14 19,20	15,18 9,13	7,13 10,12	10,10 12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
PKLX8H	Identifiler® Plus					
3		17,23,24,26		15,15.2,18 9,13,14	7,11,12,13 10,11,12	10,11 12,13,15
	12,13,14,15			X,Y	7,10,11,12	21,24
	13,13.2,14	29,31.2		6,7	8,9	15,16,17
PM4F6U	Identifiler® Plus					
3		17,23,24,26		15,15.2,18 9,13,14	7,11,12,13 10,11,12	10,11 12,13,15
	12,13,14,15			X,Y	7,10,11,12	21,24
	13,13.2,14	29,31.2		6,7	8,9	15,16,17
PQAMNL	Identifiler®					
3		17,23,24,26		15,15.2,18 9,13,14	7,11,12,13 10,11,12	10,11 12,13,15
	12,13,14,15			X,Y	7,10,11,12	21,24
	13,13.2,14	29,31.2		6,7	8,9	15,16,17
QCMP44	GlobalFiler™					
3	13,14,16,17.3 12,13,14,15	17,23,24,26 13,14,15	[12],14,14 17,19,20	15,15.2,18 9,13,[14]	7,11,12,13 10,11,12	10,10,[11] 12,13,15
	13,13.2,14	29,31.2	15,15,[17]	X,X,[Y]	7,10,11,12	21,24
			17,[22],24.2,26	6,7	8,9	15,16,17
QEPTU6	PowerPlex® 16 HS					
3	12,[13],14,15			15,[15.2],18 [9],13,[14]	7,11,12,13 10,11,12	10,[11] 12,[13],15
		29,[31.2]		X,[Y]	7,10,11,12	21,24
	9,[11],[14]	12,13,14,[18]		[6],7	8,9	[15],16,[17]
QERHWG	PowerPlex® 21					
3	14,16,17.3 12,15	23,24		15,15.2,18 9,13	7,12,13 10,11,12	10,10 12,15
	13,14	29,31.2	19,20	X,Y	11,12	21,24
	9,14	12,14		6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

QJKK22	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
QJZ4LY	<i>Identifiler® Plus</i>					
		17,23,24,26		15,[15.2],[18]	7,11,12,13	10,[11]
3	12,13,14,15			[9],13,[14]	10,[11],[12]	12,[13],15
	13,[13.2],14	29,[31.2]		X,[Y]	7,10,11,12	21,24
				[6],7	8,9	[15],16,17
QNUXLL	<i>Identifiler® Plus</i>					
		17,23,24,26		15,[15.2],18	7,11,[12],13	10,11
3	12,[13],14,15			9,13,14	10,11,12	12,13,15
	13,14	29,31.2		X,[Y]	7,10,11,12	21,24
				6,7	8,9	15,16,17
QRGFZZ	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
QT8G43	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	[12],14,14	15,15.2,18	7,11,12,13	10,10,[11]
3	12,13,14,15	13,14,[15]	17,19,20	9,13,[14]	10,11,12	12,13,15
	13,13.2,14	29,29,[31.2]	15,15,[17]	X,X,[Y]	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
QVD4HT	<i>PowerPlex® 16 HS</i>					
				15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
		29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
QWM9UV	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	[12],14,14	15,15.2,18	7,11,12,13	10,10,[11]
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
RELNR2	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	[12],14,14	15,[15.2],18	7,11,12,13	10,10,[11]
3	12,13,14,15	13,14,15	17,19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
RLPRJK	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

RN8W9H	<i>Identifiler® Plus</i>					
		17,23,24,26		15,18	7,11,12,13	10
3	12,13,14,15			9,13,14	10,12	12,15
	13,14	29,31.2		X,Y	10,11,12	21,24
				6,7	8,9	15,16,17
RQ48CX	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
RWVC3G	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
TD9KCF	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
TNA27Q	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12,14],14,14	15,[15.2],18	7,[11,12],13	10,10,[10,10]
3	12,[13,14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[X,Y]	[7,10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
TURBCF	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
TY9JZE	<i>CI Identifiler +</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
UMEFDZ	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14,14	15,[15.2],18	7,[11],[12],13	10,10,[11]
3	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
UTE4NC	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

UUUJZT	GlobalFiler™					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14	15,[15.2],18	7,[11,12],13	10,[11]
3	12,[13,14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,[17]	X,[Y]	[7,10],11,12	21,24
			[17,22],24.2,26	6,7	8,9	[15],16,17
UXAQNT	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
V64DUH	PowerPlex® Fusion					
	13,14,16,17.3	17,23,24,26	[12],14	15,15.2,18	7,11,12,13	10,[11]
3	12,13,14,15	13,[14],[15]	17,19,20	9,13,14	10,11,12	12,13,15
	13,[13.2],[14]	29,[31.2]	15,[17]	X,[Y]	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
VAHXVC	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VFBT2Q	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VFMP9G	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VFMTXK	Identifiler®					
		(17),23,24,(26)		15,(15.2),18	7,(11),(12),13	10,(11)
3	12,(13),(14),15			9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2		X,(Y)	(7),(10),11,12	21,24
				6,7	8,9	(15),16,17
VGJ97B	Identifiler®					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VQ68ZM	Identifiler®					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

VQ848C	<i>PowerPlex® 21</i>					
	13,14,16,17.3	17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15		17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
VU882K	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
W3F4HW	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
WM6KLP	<i>PowerPlex® Fusion</i>					
	13,14,16,17.3	17,23,24,26	(12),14	15,(15.2),18	7,11,12,13	10,(11)
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,(17)	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,(18)		(6),7	8,9	15,16,17
WT8PCN	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
WWRNLC	<i>PowerPlex® ESI Fast</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
3	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			17,22,24.2,26	6,7		15,16,17
X3ENKP	<i>PowerPlex® Fusion</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
X4L7JK	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
XFZ2YK	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 3 - STR Results

XGABPW	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
XZPKQW	<i>PowerPlex® 16</i>					
				15,[15.2],18	7,[11],[12],13	10,[11]
3	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
		29,31.2		X,[Y]	[7],[10],11,12	21,24
	9,[11],14	12,[13],14,[18]		[6],7	8,9	[15],16,17
Y8JQ3B	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
YQDMLQ	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
YR9BV9	<i>PowerPlex® CS7, ESI, PP21, GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
3	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	17,22,24.2,26	6,7	8,9	15,16,17
Z8V42R	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ZDKLHN	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ZDLF4F	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
3	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ZWK9AM	<i>PowerPlex® ESI 17 Pro</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
3	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			17,22,24.2,26	6,7		15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4 - STR Results

2F6WN8	<i>PowerPlex® Fusion, ESX 17</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	17,22,24.2,26	6,7	8,9	15,16,17
AT49YY	<i>PowerPlex® Fusion, AmpFLSTR NGM</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	not tested	6,7	8,9	15,16,17
CHWDTY	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
ENCXQV	<i>Identifiler® Plus, NGM</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
FJEV3L	<i>Identifiler® Plex Plus</i>					
		17,23,24,26		15,OL,18	7,11,12,13	10,11
4	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
MBKXFK	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,[23],[24],[26]	[12],14	15,[15.2],[18]	7,11,12,13	10,[11]
4	12,13,14,15	13,[14],[15]	[17],[19],20	[9],13,[14]	10,[11],[12]	[12],[13],15
	13,[13.2],[14]	29,[31.2]	15,[17]	X,[Y]	7,10,11,12	21,24
			17,22,24.2,26	[6],7	8,9	[15],16,[17]
NRJRJE	<i>NGM Select™</i>					
	13,14,15,16,17.3	17,23,24,25,26	11,12,14	15,15.2,18		
4	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,30,31.2	15,16,17	X,Y		21,24,25
			17,21,22,24.2,25,26	6,7		15,16,17
QJZ4LY	<i>Identifiler® Plus</i>					
		17,23,[24],26		15,15.2,[18]	7,11,12,13	10,[11]
4	[12],13,14,[15]			[9],13,14	10,11,12	[12],13,15
	13,[13.2],[14]	29,[31.2]		X,Y	7,10,[11],[12]	21,24
				[6],7	8,9	15,16,[17]
RN8W9H	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4 - STR Results

RQ48CX	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15,2,18	7,11,12,13	10,11
4	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VAHXVC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
WWRNLC	<i>PowerPlex® ESI Fast</i>					
	13,[14],16,[17.3]	17,[23],[24],26	12,14	15,15.2,[18]		
4	13,14	13,14,[15]	17,[19],20		10,11	13,15
	13,13.2,[14]	29,[31.2]	15,17	X,Y		21,24
			17,22,[24.2],[26]	7,7		15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

2D3RGE		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
2M4E66	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
2XK6P9	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
4e	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
2ZTDXT	<i>Identifiler® Plus</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
3C2D8R	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14,14	15,[15.2],18	7,[11],[12],13	10,10,[11]
4e	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
3J2XC8	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	10,11,12	21,24
				6,7	8,9	15,16,17
3RFJKC	<i>Qiagen Investigator® ESSplex Plus</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
4e	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
				6,7		15,16,17
3TTDZC	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,13	10,11
4e	12,13,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	16,17
3VD3H4	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

42LQV6	<i>PowerPlex® ESX 16 Fast</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
4e	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
				6,7		15,16,17
48NXFE	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
4ABGC7	<i>PowerPlex® 21</i>					
	14,17.3	23,24		15,18	7,13	10
4e	12,15		19,20	9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
	9,14	12,14		6,7	8,9	16,17
4E74CL	<i>Identifiler®</i>					
	N/A	[17],23,24,[26]	N/A	15,[15.2],18	7,11,12,13	10,[11]
4e	12,[13],14,15	N/A	N/A	9,13,[14]	10,[11],12	12,13,15
	13,[13.2],14	29,31.2	N/A	X,[Y]	[7],10,11,12	21,24
	N/A	N/A	N/A	6,7	8,9	[15],16,17
4MFRPJ	<i>Identifiler®</i>					
	N/A	17,23,24,[26]	N/A	15,15.2,18	7,11,12,13	10,[11]
4e	12,13,14,15	N/A	N/A	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],[14]	29,31.2	N/A	X,[Y]	7,10,11,12	21,24
	N/A	N/A	N/A	6,7	8,9	15,16,17
4VCPE8	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
6ANK8A	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
6EL8YC	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
6KQNT7	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

72CQQL						
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
4e	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
				6,7		15,16,17
73LXTE	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
7CNZA6	Identifiler® Plus					
		(17),23,24,(26)		15,(15.2),18	7,(11),(12),13	10,(11)
4e	12,(13),(14),15			9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2		X,(Y)	(7),(10),11,12	21,24
				6,7	8,9	(15),16,17
7K28UF	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
87WB3Z	NGM Select™					
	13,14,16,17.3	17,23,24,[25],26	12,14	15,15.2,18		
4e	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			[16],17,[21],22,24.2,26	6,7		15,16,17
8GK3VK	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
8J8LUW	GlobalFiler™					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14	15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,[17]	X,[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
8XNGEY	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
996HBK	Identifiler® Plus					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

9BNVR2	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
9D33F4	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
9GV9PZ	<i>Identifiler®</i>					
	N/A	17,23,24,26	N/A	15,[15.2],18	7,11,12,13	10,[11]
4e	12,13,14,15	N/A	N/A	[9],13,[14]	10,[11],[12]	[12],[13],15
	13,13.2,14	29,[31.2]	N/A	X,[Y]	7,10,11,12	21,24
	N/A	N/A	N/A	[6],7	8,[9]	[15],16,[17]
9L7JHU	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
9M4MFC	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
ATPYRJ	<i>PowerPlex® 16</i>					
				15,[15.2],[18]	7,11,12,13	10,[11]
4e	[12],13,14,15			[9],13,[14]	10,11,[12]	[12],13,15
		29,[31.2]		X,[Y]	7,10,11,12	21,24
	9,[11],[14]	12,13,14,18		[6],7	8,9	15,16,[17]
B4M6JW	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
BD8D2X	<i>Identifiler®</i>					
		23,24		15,18	7,13	10,10
4e	12,14,15			9,13	10,12	12,15
	13,14	29,31.2		X,X	11,12	21,24
				6,7	8,9	16,17
C6RCYU	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

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C7PK8D	<i>Identifiler®</i>					
		23,24		15,18	7,13	10
4e	12,15			9,13	10,12	12,15
	13,14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
CPVYKY	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11,12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
D8V8EQ	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
DAZPLY	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
DDZ2ED	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
DN3G3X	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
DPW89C	<i>Identifiler® Plus</i>					
		[17],23,24,[26]		15,[15.2],18	7,11,12,13	10,[11]
4e	12,[13],14,15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				[6],7	8,9	[15],16,[17]
DVJZKC	<i>Identifiler®</i>					
	n/a	[17],23,24,[26]	n/a	15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15	n/a	n/a	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,[31.2]	n/a	X,[Y]	[7],[10],11,12	21,24
	n/a	n/a	n/a	[6],7	8,9	[15],16,17
E9PCCW	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

EREN43	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
EX7XCE	<i>PowerPlex® 16 HS</i>					
				15,[15.2],18	7,11,12,13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],[12]	12,[13],15
		29,[31.2]		X,[Y]	[7],[10],11,12	21,24
	9,[11],14	12,13,14,[18]		[6],7	8,9	[15],16,[17]
FP6XEX	<i>NGM Select™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18		
4e	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			17,22,24.2,26	6,7		15,16,17
FZMPUV	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
GAMPQZ	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,11,12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	15,16,17
GCB2P6	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14,14	15,[15.2],18	7,[11,12],13	10,10,[11]
4e	12,[13,14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	[7,10],11,12	21,24
	NT	NT	[17,22],24.2,26	6,7	8,9	[15],16,17
GMW6W6	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
GP3VZD	<i>PowerPlex® 16 HS</i>					
				15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],15			9,13,[14]	10,[11],12	12,[13],15
		29,[31.2]		X,[Y]	[7],[10],11,12	21,24
	9,[11],14	12,[13],14,[18]		6,7	8,9	[15],16,17
HA7VN6	<i>GlobalFiler™</i>					
	[13],14,17.3	[17],23,24	[12],14,14	15,18	7,13	10,10
4e	12,[13],15	13,15	19,20	9,13	10,[11],12	12,15
	13,14	29,29,[31.2]	15,15	X,X	[7],[10],11,12	21,24
			24.2,26	6,7	8,9	16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

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HQB6RB	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
HWJQF9	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
HXPB49	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
K7VUF3	<i>Identifiler®</i>					
	N/A	17,23,24,26	N/A	15,[15.2],18	7,11,12,13	10,[11]
4e	12,13,14,15	N/A	N/A	9,13,[14]	10,11,12	12,[13],15
	13,[13.2],14	29,31.2	N/A	X,[Y]	7,10,11,12	21,24
	N/A	N/A	N/A	[6],7	8,19	15,16,17
K96LNJ	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
KC32HZ	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
			17,22,24.2,26	6,7	8,9	15,16,17
KGAWTN	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
KPB4G4	<i>Identifiler®</i>					
	n/a	[17],23,24,[26]	n/a	15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15	n/a	n/a	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],[14]	29,31.2	n/a	X,[Y]	[7],[10],11,12	21,24
	n/a	n/a	n/a	6,7	8,9	[15],16,17
KUJ8PQ	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

L3R7UL	<i>Identifiler® +</i>					
		17,21,22,23,24		15,16,18	7,11,12,13	10,11
4e	12,13,14,15			9,12,13	10,11,12	12,15,16
	13,14,15	28,29,31.2		X,Y	7,10,11,12,13	21,24,25
				6,7,8	6,8,9	16,17,18
L4MY96	<i>Identifiler® Plus</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
L8468Z	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
LDVCRU	<i>Identifiler® Plus</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
LP7QQL	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
LTMFPP	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,12	12,15
	13,[13.2],14	29,31.2		X,[Y]	[7],11,12	21,24
				6,7	8,9	16,17
LTP2L6	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
LVCKKH	<i>GlobalFiler™ (see interp)</i>					
	(13),14,(16),17.3	(17),23,24,(26)	(12),14	15,(15.2),18	7,(11),(12),13	10,(11)
4e	12,(13),(14),15	13,(14),15	(17),19,20	9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2	15,15	X,(y)	(7),(10),11,12	21,24
			(17),(22),24,26	6,7	8,9	(15),16,17
M43KH8	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	17,23,24,[26]	[12],14,14	15,[15.2],18	7,11,12,13	10,10,[11]
4e	12,[13],14,15	13,[14],15	[17],19,20	9,13,14	10,12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	[7],[10],11,12	21,24
			17,[22],24.2,26	6,7	8,9	[15],16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

NK7C3M	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
P974WP	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
PA2PMV	<i>PowerPlex® 16 HS</i>					
				15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
		29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
PA3LUK	<i>Identifiler®</i>					
	N/A	(17),23,24,(26)	N/A	15,(15.2),18	7,(11),(12),13	10,(11)
4e	12,(13),(14),15	N/A	N/A	9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2	N/A	X,(Y)	(7),(10),11,12	21,24
	N/A	N/A	N/A	6,7	8,9	(15),16,17
PBBZWK	<i>GlobalFiler™</i>					
	14,17.3	23,24	14,14	15,18	7,13	10,10
4e	12,15	13,15	19,20	9,13	10,12	12,15
	13,14	29,31.2	15,15	X,X	11,12	21,24
			24.2,26	6,7	8,9	16,17
PKLX8H	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
PM4F6U	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
PQAMNL	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13,14],15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
QCMP44	<i>GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,[26]	[12],14,14	15,[15.2],18	7,11,12,13	10,10,[11]
4e	12,13,14,15	13,14,15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	7,[10],11,12	21,24
			[17],22,24.2,26	[6],7	8,9	[15],16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

QEPTU6	PowerPlex® 16 HS					
4e	12,[13],[14],15			15,[15.2],[18]	7,[11],[12],13	10,[11]
				9,13,[14]	10,[11],[12]	12,[13],15
		29,31.2		X,Y	[7],[10],11,12	21,24
	9,[11],14	12,13,14,[18]		[6],7	8,9	[15],16,[17]
QERHWG	PowerPlex® 21					
4e	13,14,16,17.3	17,23,24,26		15,15.2,18	7,11,12,13	10,11
	12,13,14,15		17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
QJKK22	Identifiler®					
4e		17,23,24,26		15,15.2,18	7,11,12,13	10,11
	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
QNUXLL	Identifiler® Plus					
4e		17,23,24,26		15,15.2,18	7,11,12,13	10,11
	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,[13.2],14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
QRGFZZ	Identifiler® Plus					
4e		17,23,24,26		15,15.2,18	7,11,12,13	10,11
	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
QT8G43	GlobalFiler™					
4e	13,14,[16],17.3	23,24,[26]	[12],14,14	15,[15.2],18	7,[11],[12],13	10,10,[11]
	12,[13],[14],15	13,[14],15	[17],19,20	[9],13,[14]	10,[11],12	12,15
	13,14	29,31.2	15,15,[17]	X,X,[Y]	7,[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	15,16,17
QVD4HT	PowerPlex® 16 HS					
4e				15,15.2,18	7,11,12,13	10,11
	12,13,14,15			9,13,14	10,11,12	12,13,15
		29,31.2		X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
QWM9UV	GlobalFiler™					
4e	[13],14,[16],17.3	23,24	[12],14,14	15,[15.2],18	7,[12],13	10,10,[11]
	12,[14],15	13,[14],15	[17],19,20	9,13,[14]	10,12	12,[13],15
	13,14	29,31.2	15,15	X,X,[Y]	[10],11,12	21,24
			24.2,26	6,7	8,9	16,17
RELNR2	GlobalFiler™					
4e	13,14,[16],17.3	17,23,24,[26]	[12],14,14	15,[15.2],18	7,11,[12],13	10,10,[11]
	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

RLPRJK	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
RWC3G	<i>Identifiler®</i>					
		[17],23,24,[26]		15,15.2,18	7,11,12,13	10,10,[11]
4e	12,13,14,15			9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
TD9KCF	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
TNA27Q	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14,14	15,[15.2],18	7,[11,12],13	10,10,[11]
4e	12,[13,14],15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[X,Y]	[7,10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
TURBCF	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
TY9JZE	<i>CI Identifiler +</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
UMefdZ	<i>GlobalFiler™</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14,14	15,[15.2],18	7,[11],12,13	10,10,[11]
4e	12,[13],14,15	13,[14],15	[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2	15,15,[17]	X,X,[Y]	[7],[10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	[15],16,17
UTE4NC	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	16,17
UUUJZT	<i>GlobalFiler™</i>					
	13,14,16,17.3	[17],23,24,[26]	[12],14	15,[15.2],18	7,11,12,13	10,[11]
4e	12,13,14,15	13,14,15	17,19,20	9,13,14	10,[11],12	12,13,15
	13,13.2,14	29,31.2	15,[17]	X,[Y]	[7,10],11,12	21,24
			[17],[22],24.2,26	6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

UXAQNT	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
V64DUH	<i>PowerPlex® Fusion</i>					
	[13],14,[16],17.3	[17],23,24,[26]	[12],14	15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15	13,[14],15	[17],19,20	9,13,[14]	10,11,12	12,[13],15
	13,[13.2],14	29,31.2	15,[17]	X,[Y]	[7],[10],11,12	21,24
	9,[11],14	12,[13],14,[18]		6,7	8,9	[15],16,17
VFBT2Q	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VFMP9G	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VFMTXK	<i>Identifiler®</i>					
		(17),23,24,(26)		15,(15.2),18	7,(11),(12),13	10,(11)
4e	12,(13),(14),15			9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2		X,(Y)	(7),(10),11,12	21,24
				6,7	8,9	(15),16,17
VGJ97B	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,[11]
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
VQ68ZM	<i>Identifiler®</i>					
		[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,[13],14	10,[11],12	12,[13],15
	13,13.2,14	29,31.2		X,[Y]	[7],[10],11,12	21,24
				6,7	8,9	[15],16,17
VQ848C	<i>PowerPlex® 21</i>					
	[13],14,[16],17.3	[17],23,24,[26]		15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15		[17],19,20	9,13,[14]	10,[11],12	12,[13],15
	13,[13.2],14	29,31.2		X,[Y]	[7],[10],11,12	21,24
	9,14	12,[13],14,[18]		6,7	8,9	[15],16,17
VU882K	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

W3F4HW	<i>Identifiler® Plus</i>					
		23,24,[26]		15,18	7,13	10
4e	12,15			9,13	10,12	12,15
	13,[13.2],14	29,31.2		X	11,12	21,24
				6,7	8,9	16,17
WM6KLP	<i>PowerPlex® Fusion</i>					
	(13),14,17.3	(17),23,24,(26)	(12),14	15,(15.2),18	7,13	10,11
4e	12,(13),(14),15	13,(14),15	(17),19,20	9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2	15	X,(Y)	(7),(10),11,12	21,24
	9,(11),14	12,(13),14,(18)		6,7	8,9	(15),16,17
WT8PCN	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
X3ENKP	<i>PowerPlex® Fusion</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18		6,7	8,9	15,16,17
X4L7JK	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
XFZ2YK	<i>Identifiler®</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
XGABPW	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15.2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
XZPKQW	<i>PowerPlex® 16</i>					
				15,[15.2],18	7,[11],[12],13	10,[11]
4e	12,[13],[14],15			9,13,[14]	10,[11],12	12,[13],15
		29,[31.2]		X,[Y]	[7],[10],11,12	21,24
	9,[11],14	12,[13],14,[18]		[6],7	8,9	[15],16,17
Y8JQ3B	<i>Identifiler®</i>					
		(17),23,24,(26)		15,(15.2),18	7,(11),(12),13	10,(11)
4e	12,(13),(14),15			9,13,(14)	10,(11),12	12,(13),15
	13,(13.2),14	29,31.2		X,(Y)	(7),(10),11,12	21,24
				6,7	8,9	(15),16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4e - STR Results

YQDMLQ	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15,2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
YR9BV9	<i>PowerPlex® CS7, ESI, PP21, GlobalFiler™</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15,2,18	7,11,12,13	10,11
4e	12,13,14,15	13,14,15	17,19,20	9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y	7,10,11,12	21,24
	9,11,14	12,13,14,18	17,22,24.2,26	6,7	8,9	15,16,17
Z8V42R	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15,2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ZDKLHN	<i>Identifiler® Plus</i>					
		17,23,24,26		15,15,2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ZDLF4F	<i>Identifiler®</i>					
		17,23,24,26		15,15,2,18	7,11,12,13	10,11
4e	12,13,14,15			9,13,14	10,11,12	12,13,15
	13,13.2,14	29,31.2		X,Y	7,10,11,12	21,24
				6,7	8,9	15,16,17
ZWK9AM	<i>PowerPlex® ESI 17 Pro</i>					
	13,14,16,17.3	17,23,24,26	12,14	15,15,2,18		
4e	12,13,14,15	13,14,15	17,19,20		10,11,12	12,13,15
	13,13.2,14	29,31.2	15,17	X,Y		21,24
			17,22,24.2,26	6,7		15,16,17

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

2D3RGE		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
2M4E66	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
2XK6P9	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
2ZTDXT	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
3C2D8R	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
3J2XC8	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
3RFJKC	<i>Qiagen Investigator® ESSplex Plus</i>					
	13,16	17,26	12,14	15,15.2		
4sp	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
				7,7		15,16
3TTDZC	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14,15			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
3VD3H4	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

42LQV6	<i>PowerPlex® ESX 16 Fast</i>					
	13,16	17,26	12,14	15,15.2		
4sp	13,14	13,14	17,20		10,11	13,15
	13,13.2	29	15,17	X,Y		21,24
				7		15,16
48NXFE	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
4ABGC7	<i>PowerPlex® 21</i>					
	13,16	17,26		15,15.2	11,12	10,11
4sp	13,14		17,20	13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
4E74CL	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
4sp	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
4MFRPJ	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2,[18]	11,12,[13]	10,[11]
4sp	[12],13,14	N/A	N/A	[9],13,14	10,11	13,15
	13,13.2	29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7	8,9	15,16,[17]
4VCPE8	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
6ANK8A	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
6EL8YC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
6KQNT7	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

72CQQL						
	13,16	17,26	12,14	15,15.2		
4sp	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
				7,7		15,16
73LXTE	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
7CNZA6	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
7K28UF	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
87WB3Z	<i>NGM Select™</i>					
	13,16	17,[25],26	12,14	15,15.2		
4sp	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,[16],17	X,Y		21,24
			17,22	7,7		15,16
8GK3VK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
8J8LUW	<i>GlobalFiler™</i>					
	13,16	17,[25],26	12,14,[15]	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,[18],22	7	8,9	15,16
8XNGEY	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
996HBK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			9,13,14	10,11,12	13,15
	13,13.2	29,31.2		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

9BNVR2	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9D33F4	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9GV9PZ	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
4sp	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
9L7JHU	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
9M4MFC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ATPYRJ	<i>PowerPlex® 16</i>					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	[12],13,18		7,7	8,9	15,16
B4M6JW	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
BD8D2X	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
C6RCYU	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

C7PK8D	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
CPVYKY	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
DBV8EQ	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
DAZPLY	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
DDZ2ED	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
DN3G3X	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
DPW89C	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
DVJZKC	<i>Identifiler®</i>					
	n/a	17,26	n/a	15,15.2	11,12	10,11
4sp	13,14	n/a	n/a	13,14	10,11	13,15
	13,13.2	29,29	n/a	X,Y	7,10	21,24
	n/a	n/a	n/a	7,7	8,9	15,16
E9PCCW	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

EREN43	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
EX7XCE	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
FP6XEX	<i>NGM Select™</i>					
	13,16	17,26	12,14	15,15.2		
4sp	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
			17,22	7,7		15,16
FZMPUV	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
GAMPQZ	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
GCB2P6	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
	NT	NT	17,22	7,7	8,9	15,16
GMW6W6	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
GP3VZD	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
HA7VN6	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

HQB6RB	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
HWJQF9	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
HXPB49	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
K7VUF3	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
4sp	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
K96LNJ	<i>GlobalFiler™</i>					
	13,16	17,(24),26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
KC32HZ	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
KGAWTN	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
KPB4G4	<i>Identifiler®</i>					
	n/a	17,26	n/a	15,15.2	11,12	10,11
4sp	13,14,[15]	n/a	n/a	[9],13,14	10,11,[12]	13,15
	13,13.2	29	n/a	X,Y	7,10	21,24
	n/a	n/a	n/a	7	8,9	15,16
KUJ8PQ	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

L3R7UL	<i>Identifiler® +</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
L4MY96	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
L8468Z	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LDVCRU	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
LP7QQL	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LTMFPP	<i>Identifiler®</i>					
		17,[23],[24],26		15,15.2,[18]	[7],11,12,[13]	10,11
4sp	13,14,[15]			[9],13,14	10,11,[12]	13,15
	13,13.2,[14]	29		X,Y	7,10	21,24
				7	8,9	15,16
LTP2L6	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
LVCKKH	<i>GlobalFiler™ (see interp)</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,X	7,10	21,24
			17,22	7,7	8,9	15,16
M43KH8	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

NK7C3M	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
P974WP	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
PA2PMV	<i>PowerPlex® 16 HS</i>					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29		X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
PA3LUK	<i>Identifiler®</i>					
	N/A	17,26	N/A	15,15.2	11,12	10,11
4sp	13,14	N/A	N/A	13,14	10,11	13,15
	13,13.2	29,29	N/A	X,Y	7,10	21,24
	N/A	N/A	N/A	7,7	8,9	15,16
PBBZWK	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
PKLX8H	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
PM4F6U	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
PQAMNL	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
QCMP44	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

QEPTU6	PowerPlex® 16 HS					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
QERHWG	PowerPlex® 21					
	13,16	17,26		15,15.2,18	11,12	10,11
4sp	13,14		17,20	13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
QJKK22	Identifiler®					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
QNUXLL	Identifiler® Plus					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
QRGFZZ	Identifiler® Plus					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
QT8G43	GlobalFiler™					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
QVD4HT	PowerPlex® 16 HS					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29		X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16
QWM9UV	GlobalFiler™					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
RELNR2	GlobalFiler™					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

RLPRJK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
RWC3G	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
TD9KCF	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
TNA27Q	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
TURBCF	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
TY9JZE	<i>CI Identifiler +</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
UMEFDZ	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
			17,22	7,7	8,9	15,16
UTE4NC	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
UUUJZT	<i>GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
			17,22	7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

UXAQNT	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
V64DUH	<i>PowerPlex® Fusion</i>					
	13,16	17,[24],[25],26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16,[17]
VFBT2Q	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VFMP9G	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VFMTXK	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VGJ97B	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16
VQ68ZM	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
VQ848C	<i>PowerPlex® 21</i>					
	13,16	17,26		15,15.2	11,12	10,11
4sp	13,14		17,20	13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
VU882K	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

W3F4HW	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
WM6KLP	<i>PowerPlex® Fusion</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,29	15,17	X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
WT8PCN	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
X3ENKP	<i>PowerPlex® Fusion</i>					
	13,14,16	17,26	12,14	15,15.2	7,11,12,13	10,11
4sp	13,14,15	13,14	17,20	13,14	10,11	13,15
	13,13.2	29,31.2	15,17	X,Y	7,10	21,24
	9,11	13,18		7	8,9	15,16,17
X4L7JK	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
XFZ2YK	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
XGABPW	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
XZPKQW	<i>PowerPlex® 16</i>					
				15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
		29,29		X,Y	7,10	21,24
	9,11	13,18		7,7	8,9	15,16
Y8JQ3B	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29,29		X,Y	7,10	21,24
				7,7	8,9	15,16

TABLE 1

WebCode	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
Item	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA

Item 4sp - STR Results

YQDMLQ	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
YR9BV9	<i>PowerPlex® CS7, ESI, PP21, GlobalFiler™</i>					
	13,16	17,26	12,14	15,15.2	11,12	10,11
4sp	13,14	13,14	17,20	13,14	10,11	13,15
	13,13.2	29	15,17	X,Y	7,10	21,24
	9,11	13,18	17,22	7	8,9	15,16
Z8V42R	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ZDKLHN	<i>Identifiler® Plus</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ZDLF4F	<i>Identifiler®</i>					
		17,26		15,15.2	11,12	10,11
4sp	13,14			13,14	10,11	13,15
	13,13.2	29		X,Y	7,10	21,24
				7	8,9	15,16
ZWK9AM	<i>PowerPlex® ESI 17 Pro</i>					
	13,16	17,26	12,14	15,15.2		
4sp	13,14	13,14	17,20		10,11	13,15
	13,13.2	29,29	15,17	X,Y		21,24
			17,22	7,7		15,16

Amplification Kit(s) & YSTR Results

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 1 - YSTR Results

4ABGC7	PowerPlex® Y								
	1								
<hr/>									
7CNZA6	Yfiler®								
	1								
<hr/>									
AT49YY	Yfiler® , PowerPlex® Y 23								
	1								
<hr/>									
GCB2P6	GlobalFiler™ Express								
	1	NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT	NT	NT	NT	NT	
<hr/>									
LDVCRU	Yfiler®								
	1								
<hr/>									
VXPEG8	GlobalFiler™ Express								
	1								

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

2F6WN8	PowerPlex® Y 23	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
2ZTDXT	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
3RFJKC	PowerPlex® Y 23	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
3TTDZC	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
48NXFE	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
4ABGC7	PowerPlex® Y 23	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
4E74CL	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
4MFRPJ	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
4VCPE8	PowerPlex® Y 23	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
6ANK8A	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
6EL8YC	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
6KQNT7	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

73LXTE	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7CNZA6	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7K28UF	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
87WB3Z	PowerPlex® Y 23 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
8GK3VK	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
8J8LUW	GlobalFiler™ Y loci 2						10		
								2	
996HBK	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
9BNVR2	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
9GV9PZ	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
AT49YY	Yfiler® , PowerPlex® Y 23 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10	not tested	
B4M6JW	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
CDNAMW	GlobalFiler™ 2						10		
								2	

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

CHWDTY	2						10			
								2		
D8V8EQ	GlobalFiler™						10			
	2									
								2		
DDZ2ED	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
DN3G3X	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
DVJZKC	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
E9PCCW	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
ENCXQV	Yfiler®, PowerPlex® Y 23									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15 26 11								
		11	20	16	21	12	10			
EX7XCE	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
GCB2P6	Yfiler®, GlobalFiler™									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15 NT NT								
		NT	NT	NT	21	NT	10	2		
GMW6W6	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
HQB6RB	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			
HWJQF9	Yfiler®									
	2	14	13,14	12	26	22	10	11	13	
		16 10 12 21 15 15								
					21		10			

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

HXPB49	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
K7VUF3	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
K96LNJ	GlobalFiler™ 2						10		
									2
KPB4G4	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
KUJ8PQ	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
L4MY96	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
L8468Z	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LDVCRU	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LP7QQL	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LTP2L6	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
NK7C3M	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
P974WP	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

PA2PMV	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
PA3LUK	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	N/A	N/A
		N/A	N/A	N/A	21	N/A	10	N/A	
PBBZWK	PowerPlex® Y 23 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10	2	
QJJK22	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
QRGFZZ	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
QVD4HT	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
RQ48CX	Yfiler® Plus 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
			20	16	21		10		
TURBCF	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
UUUJZT	GlobalFiler™ 2						10		
								2	
UXAQNT	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFBT2Q	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFMP9G	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

VFMTXK	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VGJ97B	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VQ68ZM	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VU882K	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VXPEG8	GlobalFiler™ Express 2						10		
									2
W3F4HW	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
WM6KLP	PowerPlex® Y 23 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
WT8PCN	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
X3ENKP	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
X4L7JK	PowerPlex® Y 23 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
XFZ2YK	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
XGABPW	Yfiler® 2	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 2 - YSTR Results

XZPKQW	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
YQDMLQ	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
YR9BV9	Yfiler® Plus	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
				20	16	21		10	2	
Z8V42R	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
ZDKLHN	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
ZDLF4F	Yfiler®	2	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

2F6WN8	PowerPlex® Y 23	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
2ZTDXT	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
3RFJKC	PowerPlex® Y 23	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
3TTDZC	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
48NXFE	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
4ABGC7	PowerPlex® Y 23	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
4E74CL	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
4MFRPJ	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
4VCPE8	PowerPlex® Y 23	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
6ANK8A	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
6EL8YC	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
73LXTE	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

7CNZA6	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7K28UF	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
87WB3Z	PowerPlex® Y 23 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
8GK3VK	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
8J8LUW	GlobalFiler™ Y loci 3							[10]	
									[2]
996HBK	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
9BNVR2	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
9GV9PZ	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
AT49YY	Yfiler® , PowerPlex® Y 23 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10	not tested	
B4M6JW	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
CHWDTY	3						10		
								2	
D8V8EQ	GlobalFiler™ 3						10		
								2	

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

DDZ2ED	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
DN3G3X	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
DVJZKC	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
E9PCCW	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
ENCXQV	Yfiler® , PowerPlex® Y 23 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
EX7XCE	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
GCB2P6	Yfiler® , GlobalFiler™ 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	NT	NT
		NT	NT	NT	21	NT	10	2	
GMW6W6	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
HQB6RB	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
HWJQF9	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
HXPB49	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
K7VUF3	Yfiler® 3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

K96LNJ	GlobalFiler™								
	3						10		
								2	
KPB4G4	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
KUJ8PQ	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
L4MY96	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
L8468Z	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LDVCRU	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LP7QQL	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LTP2L6	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
NK7C3M	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
P974WP	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
PA2PMV	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
QJJK22	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

QRGFZZ	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
QVD4HT	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
RQ48CX	Yfiler® Plus	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
				20	16	21		10		
TURBCF	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
UUUJZT	GlobalFiler™	3						10		
										2
UXAQNT	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
VFBT2Q	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
VFMP9G	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
VFMTXK	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
VGJ97B	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
VQ68ZM	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
VU882K	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

W3F4HW	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
WM6KLP	PowerPlex® Y 23	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
WT8PCN	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
X3ENKP	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
X4L7JK	PowerPlex® Y 23	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
XFZ2YK	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
XGABPW	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
XZPKQW	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
YQDMLQ	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
YR9BV9	Yfiler® Plus, PowerPlex® Y	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
				20	16	21		10	2	
Z8V42R	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
ZDKLHN	Yfiler®	3	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 3 - YSTR Results

ZDLF4F	Yfiler®								
	3	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4 - YSTR Results

2F6WN8	PowerPlex® Y 23								
	4	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
3RFJKC	PowerPlex® Y 23								
	4	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
4ABGC7	PowerPlex® Y 23								
	4	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
AT49YY	Yfiler®, PowerPlex® Y 23								
	4	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10	not tested	
CHWDTY	4						10		
								2	
ENCXQV	Yfiler®, PowerPlex® Y 23								
	4	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
RQ48CX	Yfiler® Plus								
	4	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		20	16	21		10			

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4e - YSTR Results

2ZTDXT	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
3TTDZC	Yfiler®								
	4e								
48NXFE	Yfiler®								
	4e								
4E74CL	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
4MFRPJ	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
4VCPE8	PowerPlex® Y 23								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
6ANK8A	Yfiler®								
	4e								
6EL8YC	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
6KQNT7	Yfiler®								
	4e								
73LXTE	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7CNZA6	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7K28UF	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4e - YSTR Results

87WB3Z	PowerPlex® Y 23 4e									
8GK3VK	Yfiler® 4e	14	13,14	12	26	22	10	11	13	
		16	10	12	21	15	15			
					21		10			
8J8LUW	GlobalFiler™ Y loci 4e								[10]	
									[2]	
996HBK	Yfiler® 4e	14	13,14	12	26	22	10	11	13	
		16	10	12	21	15	15			
					21		10			
9BNVR2	Yfiler® 4e									
9GV9PZ	Yfiler® 4e	14	13,14	12	26	22	10	11	13	
		16	10	12	21	15	15			
					21		10			
B4M6JW	Yfiler® 4e									
D8V8EQ	GlobalFiler™ 4e							10		
									2	
DDZ2ED	Yfiler® 4e	14	13,14	12	26	22	10	11	13	
		16	10	12	21	15	15			
					21		10			
DN3G3X	Yfiler® 4e									
DVJZKC	Yfiler® 4e	14	13,14	12	26	22	10	11	13	
		16	10	12	21	15	15			
					21		10			
E9PCCW	Yfiler® 4e									

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4e - YSTR Results

EX7XCE	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
GCB2P6	Yfiler®, GlobalFiler™								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	NT	NT
		NT	NT	NT	21	NT	10	2	
GMW6W6	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
HQB6RB	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
HWJQF9	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
HXPB49	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
K7VUF3	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
K96LNJ	GlobalFiler™								
	4e						10		
								2	
KPB4G4	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
KUJ8PQ	Yfiler®								
	4e								
L4MY96	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			
L8468Z	Yfiler®								
	4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
				21		10			

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4e - YSTR Results

LDVCRU	Yfiler® 4e	[Redacted]							
LP7QQL	Yfiler® 4e						10	11	
		16	10	12	21				
					21		10		
LTP2L6	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
NK7C3M	Yfiler® 4e	[Redacted]							
P974WP	Yfiler® 4e	[Redacted]							
PA2PMV	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
PBBZWK	PowerPlex® Y 23 4e	[Redacted]							
QJJK22	Yfiler® 4e	[Redacted]							
QRGFZZ	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
QVD4HT	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
TURBCF	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
UUUJZT	GlobalFiler™ 4e						10		
		[Redacted]							

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4e - YSTR Results

UXAQNT	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFBT2Q	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFMP9G	Yfiler® 4e								
VFMTXK	Yfiler® 4e								
VGJ97B	Yfiler® 4e								
VQ68ZM	Yfiler® 4e								
VU882K	Yfiler® 4e								
W3F4HW	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
WM6KLP	PowerPlex® Y 23 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
WT8PCN	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
X3ENKP	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
X4L7JK	PowerPlex® Y 23 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4e - YSTR Results

XFZ2YK	Yfiler® 4e								
XGABPW	Yfiler® , PowerPlex® Y 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
XZPKQW	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
YQDMLQ	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
YR9BV9	Yfiler® Plus 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
			20	16	21		10	2	
Z8V42R	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
ZDKLHN	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
ZDLF4F	Yfiler® 4e	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4sp - YSTR Results

2ZTDXT	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
3TTDZC	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
48NXFE	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
4E74CL	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
4MFRPJ	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
4VCPE8	PowerPlex® Y 23 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
6ANK8A	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
6EL8YC	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
6KQNT7	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
73LXTE	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7CNZA6	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
7K28UF	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4sp - YSTR Results

87WB3Z	PowerPlex® Y 23 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
8GK3VK	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
8J8LUW	GlobalFiler™ Y loci 4sp						10		
								2	
996HBK	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
9BNVR2	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
9GV9PZ	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
B4M6JW	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
D8V8EQ	GlobalFiler™ 4sp						10		
								2	
DDZ2ED	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
DN3G3X	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
DVJZKC	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
E9PCCW	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4sp - YSTR Results

EX7XCE	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
GCB2P6	Yfiler®, GlobalFiler™ 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	NT	NT
		NT	NT	NT	21	NT	10	2	
GMW6W6	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
HQB6RB	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
HWJQF9	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
HXPB49	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
K7VUF3	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
K96LNJ	GlobalFiler™ 4sp						10		
								2	
KPB4G4	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
KUJ8PQ	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
L4MY96	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
L8468Z	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4sp - YSTR Results

LDVCRU	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
LP7QQL	Yfiler® 4sp	14	13,14	12	26	22			13
						15	15		
LTP2L6	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
NK7C3M	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
P974WP	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
PA2PMV	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
PA3LUK	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	N/A	N/A
		N/A	N/A	N/A	21	N/A	10	N/A	
PBBZWK	PowerPlex® Y 23 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
QJJK22	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
QRGFZZ	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
QVD4HT	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
TURBCF	Yfiler® 4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4sp - YSTR Results

UUUJZT	GlobalFiler™								
	4sp						10		
								2	
UXAQNT	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFBT2Q	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFMP9G	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VFMTXK	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VGJ97B	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VQ68ZM	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
VU882K	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
W3F4HW	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
WM6KLP	PowerPlex® Y 23								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15	26	11
		11	20	16	21	12	10		
WT8PCN	Yfiler®								
	4sp	14	13,14	12	26	22	10	11	13
		16	10	12	21	15	15		
					21		10		
X3ENKP	Yfiler®								
	4sp								

TABLE 2

WebCode	Item	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
		DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	YIndel	

Item 4sp - YSTR Results

X4L7JK	PowerPlex® Y 23	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
			11	20	16	21	12	10		
XFZ2YK	Yfiler®	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
XGABPW	Yfiler® , PowerPlex® Y	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
XZPKQW	Yfiler®	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
YQDMLQ	Yfiler®	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
YR9BV9	Yfiler® Plus	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15	26	11
				20	16	21		10	2	
Z8V42R	Yfiler®	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
ZDKLHN	Yfiler®	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		
ZDLF4F	Yfiler®	4sp	14	13,14	12	26	22	10	11	13
			16	10	12	21	15	15		
						21		10		

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D3S11358	FJEV3L		OL						
D6S1043	QERHWG	12,13	13,13	12,13				12,13	13,13
	VQ848C	12,13	13,13	12,13				12,13	13,13
DYF387S1	RQ48CX		37,38	37,38			37,38		
DYS319	V64DUH		10	10				10	10
DYS391	3C2D8R		10	10				10	10
	HA7VN6		10	10					10
	KC32HZ		10	[10]				10	10
	M43KH8		10	10				10	10
	MBKXFK		10	10			10		
	QCMP44		10	10				10	10
	QT8G43		10	10					10
	QWM9UV		10	10				10	10
	RELNR2	-	10	10				10	10
	TNA27Q		10	[10]				[10]	10
	UMefdZ		10	10				10	10
	X3ENKP		10	10				10	10
DYS449	RQ48CX		26	26			26		
DYS460	RQ48CX		11	11			11		
DYS518	RQ48CX		39	39			39		
DYS627	RQ48CX		19	19			19		
F13A01	YR9BV9	5,7	3,2	3,2,5,7				3,2,5,7	3,2
F13B	YR9BV9	8,10	6,8	6,8,10				6,8,10	6,8
FESFPS	YR9BV9	10	8,12	8,10,12				8,10,12	8,12
LPL	YR9BV9	9,10	10,11	9,10,11				9,10,11	10,11
PENTA C	YR9BV9	5,12	11,12	5,11,12				5,11,12	11,12
Yndel	3C2D8R		2	2				2	2
	HA7VN6		2	2				2	2
	KC32HZ		2	[2]				2	2
	M43KH8		2	2				2	2
	MBKXFK		2	2			2		
	QCMP44		2	2				2	2
	QT8G43		2	2				2	2
	QWM9UV		2	2				2	2
	RELNR2	-	2	2				2	2
	TNA27Q		2	[2]				[2]	2
	UMefdZ		2	2				2	2

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	<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
2D3RGE	Yes	Yes	Yes	Yes	7K28UF	Yes	Yes	Yes	Yes
2F6WN8	Yes	Yes	Yes	Yes	87WB3Z	Yes	Yes	Yes	Yes
2M4E66	Yes	Yes	Yes	Yes	8FPLG3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2XK6P9	Yes	Yes	Yes	Yes	8GK3VK	Yes	Yes	Yes	Yes
2ZTDXT	Yes	Yes	Yes	Yes	8J8LUW	Yes	Yes	Yes	Yes
3C2D8R	Yes	Yes	Yes	Yes	8XNGEY	Yes	Yes	Yes	Yes
3J2XC8	Yes	Yes	Yes	Yes	996HBK	Yes	Yes	Yes	Yes
3RFJKC	Yes	Yes	Yes	Yes	9BNVR2	Yes	Yes	Yes	Yes
3TTDZC	Yes	Yes	Yes	Yes	9D33F4	Yes	Yes	Yes	Yes
3VD3H4	Yes	Yes	Yes	Yes	9GV9PZ	Yes	Yes	Yes	Yes
42LQV6	Yes	Yes	Yes	Yes	9L7JHU	Yes	Yes	Yes	Yes
48NXFE	Yes	Yes	Yes	Yes	9M4MFC	Yes	Yes	Yes	Yes
4ABGC7	Yes	Yes	Yes	Yes	AT49YY	Yes	Yes	Yes	Yes
4E74CL	Yes	Yes	Yes	Yes	ATPYRJ	Yes	Yes	Yes	Yes
4MFRPJ	Yes	Yes	Yes	Yes	B4M6JW	Yes	Yes	Yes	Yes
4VCPE8	Yes	Yes	Yes	Yes	BD8D2X	Yes	Yes	Yes	Yes
6ANK8A	Yes	Yes	Yes	Yes	C6RCYU	Yes	Yes	Yes	Yes
6EL8YC	Yes	Yes	Yes	Yes	C7PK8D	Yes	Yes	Yes	Yes
6KQNT7	Yes	Yes	Yes	Yes	CDNAMW	No Interpretations Reported, DNA Analyzed for Database purposes only.			
72CQQL	Yes	Yes	Yes	Yes	CHWDTY	Yes	Yes	Yes	Yes
73LXTE	Yes	Yes	Yes	Yes	CPVYKY	Yes	Yes	Yes	Yes
7CNZA6	Yes	Yes	Yes	Yes	D8V8EQ	Yes	Yes	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
DAZPLY	Yes	Yes	Yes	Yes	K96LNJ	Yes	Yes	Yes	Yes
DDZ2ED	Yes	Yes	Yes	Yes	KC32HZ	Yes	Yes	Yes	Yes
DN3G3X	Yes	Yes	Yes	Yes	KGAWTN	Yes	Yes	Yes	Yes
DPW89C	Yes	Yes	Yes	Yes	KPB4G4	Yes	Yes	Yes	Yes
DVJZKC	Yes	Yes	Yes	Yes	KUJ8PQ	Yes	Yes	Yes	Yes
E9PCCW	Yes	Yes	Yes	Yes	L3R7UL	Yes	Yes	Inc	Yes
ENCXQV	Yes	Yes	Yes	Yes	L4MY96	Yes	Yes	Yes	Yes
EREN43	Yes	Yes	Yes	Yes	L8468Z	Yes	Yes	Yes	Yes
EX7XCE	Yes	Yes	Yes	Yes	LBPQZM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FJEV3L	Yes	Yes	Yes	Yes	LDVCRU	Yes	Yes	Yes	Yes
FNAH22	No Interpretations Reported, DNA Analyzed for Database purposes only.				LP7QQL	Yes	Yes	Yes	Yes
FP6XEX	Yes	Yes	Yes	Yes	LTMFPP	Yes	Yes	Yes	Yes
FZMPUV	Yes	Yes	Yes	Yes	LTP2L6	Yes	Yes	Yes	Yes
G9Y2QT	No Interpretations Reported, DNA Analyzed for Database purposes only.				LVCKKH	Yes	Yes	Yes	Yes
GAMPQZ	Yes	Yes	Yes	Yes	M43KH8	Yes	Yes	Yes	Yes
GCB2P6	Yes	Yes	Yes	Yes	MBKXFK	Yes	Yes	Yes	Yes
GMW6W6	Yes	Yes	Yes	Yes	NK7C3M	Yes	Yes	Yes	Yes
GP3VZD	Yes	Yes	Yes	Yes	NRJRJE	Yes	Yes	Yes	Yes
HA7VN6	Yes	Yes	Yes	Yes	P974WP	Yes	Yes	Yes	Yes
HQB6RB	Yes	Yes	Yes	Yes	PA2PMV	Yes	Yes	Yes	Yes
HWJQF9	Yes	Yes	Yes	Yes	PA3LUK	Yes	Yes	No	Yes
HXPB49	Yes	Yes	Yes	Yes	PBBZWK	Yes	Yes	No	Yes
K7VUF3	Yes	Yes	Yes	Yes	PKLX8H	Yes	Yes	Yes	Yes
					PM4F6U	Yes	Yes	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
PQAMNL	Yes	Yes	Yes	Yes	UTE4NC	Yes (blood)	Yes (blood)	Yes (blood)	Yes (semen)
Q62WQH	No Interpretations Reported, DNA Analyzed for Database purposes only.				UUUJZT	Yes	Yes	Yes	Yes
QCMP44	Yes	Yes	Yes	Yes	UXAQNT	Yes	Yes	Yes	Yes
QEPTU6	Yes	Yes	Yes	Yes	V64DUH	Yes	Yes	Yes	Yes
QERHWG	Yes	Yes	Yes	Yes	VAHXVC	Yes	No	Yes	Yes
QJKK22	Yes	Yes	Yes	Yes	VFBT2Q	Yes	Yes	Yes	Yes
QJZ4LY	Yes	Yes	Yes	Yes	VFMP9G	Yes	Yes	Yes	Yes
QLBL66					VFMTXK	Yes	Yes	Yes	Yes
QNUXLL	Yes	Yes	Yes	Yes	VGJ97B	Yes	Yes	Yes	Yes
QRGFZZ	Yes	Yes	Yes	Yes	VQ68ZM	Yes	Yes	Yes	Yes
QT8G43	Yes	Yes	Yes	Yes	VQ848C	Yes	Yes	Yes	Yes
QVD4HT	Yes	Yes	Yes	Yes	VU882K	Yes	Yes	Yes	Yes
QWM9UV	Yes	Yes	Yes	Yes	VXPEG8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RELNR2	Yes	Yes	Yes	Yes	W3F4HW	Yes	Yes	Yes	Yes
RLPRJK	Yes	Yes	Yes	Yes	WM6KLP	Yes	Yes	Yes	Yes
RN8W9H	Yes	Yes	Yes	Yes	WT8PCN	Yes	Yes	Yes	Yes
RQ48CX	Yes	Yes	Yes	Yes	WWRNLC	Yes	Yes	Yes	Yes
RVC3G	Yes	Yes	Yes	Yes	X3ENKP	Yes	Yes	Yes	Yes
TD9KCF	Yes	Yes	Yes	Yes	X4L7JK	Yes	Yes	Yes	Yes
TNA27Q	Yes	Yes	Yes	Yes	XFZ2YK	Yes	Yes	Yes	Yes
TURBCF	Yes	Yes	Yes	Yes	XGABPW	Yes	Yes	Yes	Yes
TY9JZE	Yes	Yes	Yes	Yes	XZPKQW	Yes	Yes	Yes	Yes
UMefdZ	Yes	Yes	Yes	Yes	Y8JQ3B	Yes	Yes	Yes	Yes

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
Y9UQ4C	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YQDMLQ	Yes	Yes	Yes	Yes					
YR9BV9	Yes		Yes						
Z8V42R	Yes	Yes	Yes	Yes					
ZDKLHN	Yes	Yes	Yes	Yes					
ZDLF4F	Yes	Yes	Yes	Yes					
ZWK9AM	Yes	Yes	Yes	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 144		
<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)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		135	133	132	134
No		0	1	2	0
Inc		0	0	1	0
No Response		1	2	1	2

Participants analyzing DNA for database purposes only: 8

Additional Comments

TABLE 5

WebCode	Additional Comments
3RFJKC	In item 4 no epithelial fraction is reported, instead the result of total DNA extraction is reported in the 4e -answer boxes.
4MFRPJ	ITEM #3 PRESENTS AN ELEVATED STUTTER ON D13S317, ITEM #4E PRESENTS AN ELEVATED STUTTER ON D2S1338, ITEM #4SP PRESENTS AN ELEVATED STUTTER ON D2S1338
73LXTE	1. DNA extraction was carried out on Item 3 and Item 4 using chelex extraction method and differential extraction method respectively. 2. DNA quantification was carried out on Item 3 & Item 4 using ABI Human DNA Quantifiler Kit. 3. STR-DNA amplification was carried out on Item 1 & Item 2 (taken directly from FTA card) using ABI Identifiler Direct Kit. 4. STR-DNA amplification was carried out on Item 3 & Item 4 using ABI Identifiler Plus Kit. 5. Y chromosomal DNA amplification was carried out on Item 2, Item 3 & Item 4 using ABI Y-Filer Kit. 7. Reagent blank, positive control and negative control were incorporated throughout analysis
7K28UF	Item 3 & Item 4 were extracted with Chelex.
8J8LUW	Item 4 seminal fraction: Loci D2S441 (15); SE33 (18) and D2S1338 (25) are all in stutter positions and just over our historic laboratory binary stutter thresholds; as such we could consider this to be a single source male profile with these three alleles at trace levels.
CDNAMW	The Globalfiler Kit was used, however there is no area in the STR Amp Kit data entry for the Y loci present in Globalfiler. The Y loci for Globalfiler were entered in the YSTR Amp Kit Section with a notation that the Globalfiler Kit was used. In the future, the Y loci should be included in the STR Amp Kit data entry section for Globalfiler to avoid confusion.
EX7XCE	Female reference samples are not analyzed for YSTRs, therefore item 1 was not analyzed for YSTRs.
FNAH22	I am only trained in databasing, therefore my data interpretation is limited to allele calls.
GCB2P6	Probabilistic genotyping (STRmix) used for data analysis with stutter peaks unfiltered. Alleles comprising genotype combinations with total weightings of 99% or greater reported. *Item #1 (victim) could not be excluded from the major DNA profile obtained from the epithelial fraction of item #4 (bathrobe); however, item #1 (victim) is excluded from the sperm fraction of item #4 (bathrobe). NT = Not tested. NR = No result obtained.
GMW6W6	1. Item 1 and Item 2 were extracted using Direct method. 2. Item 3 and Item 4 were extracted using Chelex method. 3. Quantification was carried out using Quantifiler Human DNA Quantification kit. 4. Item 1 and Item 2 were amplified using Identifiler Direct STR-kit. 5. Item 3 and Item 4 were amplified using Identifiler Plus STR-kit. 6. Y-str was carried out for item 3 and Item 4 using the AmpfiSTR Y-Filer kit. 7. Reagent blank, positive Control, Negative Control were also incorporated throughout the analysis.
KPB4G4	Elevated Stutter at D13S317 (Identifiler): ITEM 4 sp
NRJRJE	STAIN 3: LR: (victim+suspect) vs. (victim + 1 unkn) = 3.67e16; drop out applied: 0.3 for suspect and unkn, 0.1 (default) for victim. STAIN 4: LR: (victim+suspect+1 unkn) vs. (victim + 2 unkn) = 1.56e11; drop out applied: 0.45 for suspect and unkn, 0.1 (default) for victim.
PA2PMV	For Item 3: I was able to determine a complete dominant DNA profile matching the Victim (item 1). I was also able to determine a partial minor DNA profile matching the Suspect (item 2). For Item 4: A complete single source profile matching the Suspect (item 2) was obtained from the Sperm fraction of Item 4. The dominant contributor to the Item 4 epithelial fraction was the Victim (item 1).
PA3LUK	Item 3: Mix with major, minor inconclusive. Victim (Item 1) matches major profile. Item 4: E: Mix with major, minor inconclusive. Victim (Item 1) matches major profile. Suspect (Item 2) does not match major profile. S: Single source. Suspect (Item 2) matches profile.
QJZ4LY	Analyst is not qualified to perform differential extractions.

TABLE 5

WebCode	Additional Comments
QLBL66	Reference only
QVD4HT	Amplification of Ys was not completed for Item 1 because Item 1 had no Y quant value
UXAQNT	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 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.
V64DUH	Item 4 sperm (A1-4-1 spm): Minor peaks present at vWA and D2S1338 - peaks indistinguishable from artifact. No comparison to minor profile.
VFBT2Q	1. Item 1 and Item 2 were extracted using Direct method. 2. Item 3 and Item 4 were extracted using Chelex method. 3. Quantification was carried out using Quantifiler Human DNA Quantification kit. 4. Item 1 and Item 2 were amplified using Identifiler Direct STR-kit. 5. Item 3 and Item 4 were amplified using Identifiler Plus STR-kit. 6. Y-str was carried out for Item 2, Item 3 and Item 4 using the AmpfISTR Y-filer kit. 7. Reagent blank, positive control, negative control were incorporated throughout the analysis.
WT8PCN	1. Item 1 & 2 were amplified using AmpFISTR Identifiler Direct Kit. 2. Item 3 & 4 were extracted via Chelex method, quantified using Quantifiler Human DNA Quantification Kit and later amplified using AmpFISTR Identifiler Plus Kit. 3. Item 2, 3 & 4 were subjected to YSTR analysis using AmpFISTR YFiler Kit. 4. All items were subjected to electrophoresis via Genetic Analyzer 3130XL.
WWRNLC	Victim is minor contributor in item 4. No differential performed as scientist thought as PT was mixtures based that full mixtures interpretation was required therefore they did not split the sample into epithelial and seminal fractions.
YQDMLQ	Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper® ID v3.2.1
ZDKLHN	Item 1, Item 2, Item 3 and Item 4 were extracted by using phenol-chloroform extraction. Item 4 was also extracted by using chelex for differential extraction. The extracted samples were amplified by using Applied Biosystem AmpFLSTR Identifiler Plus (STR) and YFiler (STR) kits. Separation and detection was on ABI 3130xl Genetic Analyzer and analysis was by GeneMapper ID v3.2.1.

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 16-586: DNA-Mixture

DATA MUST BE RECEIVED BY December 19, 2016 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 a sexual assault of a female victim in her apartment. According to the statements from the victim, she heard a sound in her kitchen and upon investigating, found a man had come in through her open window from the fire escape. The victim grabbed a kitchen knife and attempted to fight off the attacker, resulting in both the female victim and the male attacker suffering lacerations to the hands, and forearms. The victim was then overpowered and sexually assaulted by the attacker. Based on the victim's description and identification in a photo array, a suspect has been identified and apprehended. A search of the suspect's apartment uncovered a T-shirt with possible biological stains. An additional biological stain was recovered from the inside rear area of the victim's bathrobe. Screening has been performed on both evidence samples with the following results: Item 3 (suspect's shirt) was positive for blood, and Item 4 (victim's bathrobe) was positive for blood and semen. Also submitted are the known blood samples of the female victim and male suspect.

Items Submitted (Sample Pack S6):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from the suspect's shirt (Burgundy Checkered material)

Item 4: Questioned blood and semen mixture from the victim's bathrobe (Pink material)

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	D5S818	D7S820	
A	e	10,11	15,16	8	12,13	7	8
	sp	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	

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 For Item 1: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, Fusion, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item 1: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® _____ PowerPlex® Y _____

Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

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

STR Amplification Kit(s) Used For Item 2: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, Fusion, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

YSTR Amplification Kit(s) Used For Item 2: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® _____ PowerPlex® Y _____

Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

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

STR Amplification Kit(s) Used For Item 3: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, Fusion, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

YSTR Amplification Kit(s) Used For Item 3: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® _____ PowerPlex® Y _____

Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
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"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
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"/>

ITEM	DYS549	DYS570	DYS576	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"/>

Please return all pages of this data sheet.

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

STR Amplification Kit(s) Used For Item 4: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, Fusion, etc.).

COfiler®/Profiler Plus® _____
 PowerPlex® _____
 Identifiler® _____
 Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

YSTR Amplification Kit(s) Used For Item 4: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

Yfiler® _____
 PowerPlex® Y _____
 Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
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"/>

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
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"/>

ITEM	DYS549	DYS570	DYS576	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"/>

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)?

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

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

Part III: 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.

<p><u>Return Instructions:</u> Data must be received via online data entry, fax (please include a cover sheet), or mail by December 19, 2016 to be included in the report. Emailed data sheets are not accepted.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p>	<p style="text-align: right;">Participant Code:</p> <p>ONLINE DATA ENTRY: www.cts-portal.com FAX: +1-571-434-1937 MAIL: Collaborative Testing Services, Inc. P.O. Box 650820 Sterling, VA 20165-0820 USA</p>
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Please return all pages of this data sheet.

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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. **16-586: DNA-Mixture**

This release page must be completed and received by **December 19, 2016** 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.

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