



DNA-Blood Test No. 16-585 Summary Report

This proficiency test was sent to 312 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 252 participants (81% 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, blue-green plaid material (Item 3) and one on clean, white material with blue dots (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: All stains were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 1 (75 μ l) was created using blood collected from a male donor; Item 2 (75 μ l) and Item 4 (50 μ l) were both created using blood collected from a second male donor. Item 3 (50 μ l) was created using blood collected from a third 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 September 6th, 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 and then into a larger pre-labeled envelope which was heat 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.

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	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	#14,16	X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16,16
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16	25.2,28.2	7,9	8,10	16,16
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17

For D22S1045, approximately 40% of the participants reported a 16,16 at this locus.

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	
	1	15	16,17	13	30	21	10	11
14		11	13	21	15	18	26	12
11		19	16	23	14	12	2	
2	14	14,16	12	29	21	10	12	14
	15	11	11	20	15	18	24	13
	10	18	17	22	14	11	2	
3	13	12,15	14	30	24	9	11	13
	14	10	10	20	16	18	28	11
	12	23	18	21	12	12	2	
4	14	14,16	12	29	21	10	12	14
	15	11	11	20	15	18	24	13
	10	18	17	22	14	11	2	

Summary Comments

The DNA-Blood 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 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 male donor. Item 2 and Item 4 were blood collected from the same second male donor. Item 3 was blood collected from a third male donor. (See Manufacturer's Information for preparation details.)

Of the 252 responding, 211 participants reported DNA interpretations. All 211 participants excluded the victim (Item 1) as a possible contributor to Items 3 and 4. All 211 participants excluded the suspect (Item 2) as a possible contributor to the Item 3 sample and included the suspect (Item 2) as a possible contributor to the Item 4 sample.

Ten participants reported allelic results that differed from the consensus/predistribution results. Of these, five reported additional alleles at multiple loci, one was missing alleles at one locus, and four reported inconsistent alleles at various STR and YSTR loci.

Item 1 contained a possible imbalanced or null allele at the D22S1045 locus, where amplification with the PowerPlex® Fusion kit revealed a homozygous 16 allele, but amplification with GlobalFiler™, Investigator® 24plex, or NGM Select kits revealed heterozygous 14,16 alleles.

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

26CTZC	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
2EPFDM	<i>Investigator® ESSplex Plus</i>					
1	10,16	17,19	14,14	16,17		
	14,15	13,14	18,20		10,14	17,19
	14,15.2	30,31.2	14,16	X,Y		21,24
				6,7		16,16
2ER3WL	<i>PowerPlex® 21</i>					
1	10,16	17,19		16,17	11,12	8,10
	14,15		18,20	12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
2XD2WP	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
2YALEH	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
34XJPQ	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
38EVJL	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
38XUJ6	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

3ANZXB	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
3BJGFY	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
3DKPEH	<i>PowerPlex® 21</i>					
1	10,16	17,19		16,17	11,12	8,10
	14,15		18,20	12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
3L6JZF	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
3QUZC7	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
3XVBKJ	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
3XX4H	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
46QPPG	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

49ND3H	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
4A73NJ	<i>PowerPlex® PP16, GlobalFiler™</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16
4BZTUX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
4JT44T	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
4K2KUC	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
4LBKXX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
4M9VVL	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
4MQRE9	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

4PUKDD	<i>Identifiler® Plus, MiniFiler™</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
4RKQQJ	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
4Y2EAR	<i>PowerPlex® Fusion, 21</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
66LJXL	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
67C673	<i>Identifiler® Plus, MiniFiler™</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
68RZD6	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
6AEWGP	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6AGNDB	<i>GlobalFiler™ Express</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16

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 1 - STR Results

6CQEZU	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
6GWC2L	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6LR2P7	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
6MNEBD	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6PDNMY	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6RFQ7A	<i>PowerPlex® 16 HS</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
6UQGJK	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6WC6ZQ	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16

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 1 - STR Results

6WEXVD	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
6X4BCB	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6XHWLC	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
6XNZLH	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
72332M	<i>GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
73XK23	<i>GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
76LYRX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
788XKM	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

79KBNX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
7BQVBX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
7VCWZ6	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
8B4PPD	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
8GBD7K	<i>Identifiler® Direct AmpFISTR Kit</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
8H2E93	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
8L2MEX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
8QWEPP	<i>GlobalFiler™</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	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 1 - STR Results

8R8HWC	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
979GJA	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
9E2H7E	<i>GlobalFiler™</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16
9FECME	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
9HZ23L	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
9JEDY6	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
9RNW4M	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
9W3EEC	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	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 1 - STR Results

A7LBV4	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
A9NBTE	<i>Profiler® Plus</i>					
1				16,17	11,12	8,10
	14,15			12,12		17,19
		30,31.2		X,Y		21,24
						16,16
AAK8Q	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
AC7LQJ	<i>PowerPlex® 16</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
ADH7VM	<i>Investigator® 24plex QS</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
AFPJGV	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
ANJTMJ	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
ATEFHT	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	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 1 - STR Results

AYNLCD	GlobalFiler™ Express					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	20,24
			16,22	6,7	9,11	16,16
B32YDD	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
BDLZZE	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
BED7CX	GlobalFiler™					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
BERKNE	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
BGHQ3J	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
BGW6N8	PowerPlex® 18D					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
BGYUR6	PowerPlex® 16 HS					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16

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 1 - STR Results

BJ6FF6	<i>Identifiler® , Identifiler Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
BLDKZK	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
BP9J74	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
BULWCH	<i>PowerPlex® FUSION, ESX17</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16,16
C48M99	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
CFZAE4	<i>PowerPlex® 16</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
CJ28QH	<i>PowerPlex® FUSION</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
CJLN97	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

CLT2UD	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
CLVPDD	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
CQNQGC	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
D8Z42E	<i>PowerPlex® 16</i>					
1				16,17	11,12	8,10
	14,15			12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
DCYF47	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
DEHHZD	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
DLLJ6D	<i>GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
DZ7WLU	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

DZ7WMF	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
E2TZMZ	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
E3P7C7	<i>PowerPlex® ESX17, GlobalFiler™ Express</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
E9FLYT	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
ECRNMA	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
ED8WR4	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
EFDEQY	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
ENL3M7	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	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 1 - STR Results

EPZF79	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
EWX7U6	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
EXTKHH	<i>PowerPlex® Fusion 6C</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16
FAFFP9	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
FBX3RX	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
FHD6C6	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
FHXQ3A	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
FN2QJR	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

FNZZ93	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
FYYLJ8	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
G34CN2	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
G4A2M6	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
G72XDJ	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
G8AE43	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
G8UTX8	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
G97NHD	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

GPCPFL	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
GUQHD7	<i>GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
GZCHMR	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
H4PHL4	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
HEBNE2	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
HHNMNA						
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
J2TQHW	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
JCWJCW	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

JDUU8Z	<i>PowerPlex® 18D</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
JFE2BT	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
JGBC9G	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
JKQUK8	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
JNRT2Q	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
JQHYFW	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
JQZZ4J	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
JT24V7	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	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 1 - STR Results

JY737W	GlobalFiler™ Express					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
K3NNCN	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
K9U4HY	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
K9XHVZ	PowerPlex® ESX17, GlobalFiler™					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
KE2QW2	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
KFRWA7	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
KG6KU7	Identifiler®, MiniFiler™					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
KQV6VX	Identifiler® Plus, MiniFiler™					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

KTFUFB	NGM SElect					
1	10,16	17,19	14	16,17		
	14,15	13,14	18,20		10,14	17,19
	14,15.2	30,31.2	14,16	X,Y		21,24
			16,22	6,7		16
KTGRTR	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
KVME4B	PowerPlex® 16					
1				16,17	11,12	8,10
	14,15			12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
KZ3K4Q	Identifiler® Direct					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
L29PTY	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
L3YV86	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
L8HKX9	PowerPlex® FUSION					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
LDH8K3	Profiler® Plus					
1				16,17	11,12	8,10
	14,15			12,12		17,19
		30,31.2		X,Y		21,24
						16,16

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 1 - STR Results

LDZC32	GlobalFiler™					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16
LFNMZL	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
LG7RFY	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
LHFG2V	GlobalFiler™ Express					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
LV4VUX	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
LVK3ZE	Identifiler® Plus					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
M22WDN	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
M3HVRL	Identifiler®					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

M8NR9Z	<i>Profiler® Plus</i>					
1				16,17	11,12	8,10
	14,15			12,12		17,19
		30,31.2		X,Y		21,24
						16,16
MEAKP7	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
MF2LN3	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
MKZTBL	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
MLCPKW	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
MP7T43	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
MZW6NV	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
N3GAZZ	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

N4QLCA	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
NB78KD	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
NFXJC4	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
NGVKL2	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
NHTUH4	<i>Identifiler® Direct AmpFISTR Kit</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
NJ3YT8	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
NKUZUP	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
NL7WZU	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

NNRLEZ	<i>Identifiler® +</i>					
1	17,19			16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
NQM3YN	<i>Identifiler®</i>					
1	17,19			16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
P2F6FN	<i>Identifiler®</i>					
1	17,19			16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
P2UCWY	<i>Identifiler® Plus</i>					
1	17,19			16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
P7AXRQ	<i>GlobalFiler™ Express</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
PCYHTL	<i>Identifiler® Direct</i>					
1	17,19			16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
PE38Z2	<i>Identifiler®</i>					
1	17,19			16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
PNBM79	<i>PowerPlex® ESI 17</i>					
1	10,16	17,19	14	16,17		
	14,15	13,14	18,20		10,14	17,19
	14,15.2	30,31.2	14,16	X,Y		21,24
			16,22	6,7		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 1 - STR Results

PP4FZ8	<i>PowerPlex® FUSION</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
Q3PBVX	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
Q4H4QF	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
Q8YQZE	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
QBWA3D	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
QJ99RH	<i>PowerPlex® Fusion, 16 HS</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
QJDKFE	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
QMWKVU	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

QQVWTF	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,14
				6,7	9,11	16,16
RA8X6T	<i>Identifiler® Plus, GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
RAFGHV	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
REDZKT	<i>PowerPlex® 18D</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
RG36JR	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
RJ4DJW	<i>COfiler® and Profiler Plus®</i>					
1				16,17	11,12	8,10
	14,15			12,12		17,19
		30,31.2		X,Y		21,24
						16,16
RNNV7M	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
RPVFUM	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	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 1 - STR Results

RR79TW	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
RTWE82	<i>PowerPlex® 16</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
RWXKJL	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
T8UT3N	<i>Identifiler® Plus, MiniFiler™</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
TAWVNJ	<i>Identifiler® , Identifiler Plus, PowerPlex® Fusion</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
TMPARM	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
TYE8V7	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
UC6FZQ	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

UEQ6FW	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
UW99VX	<i>GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
V8JZ2H	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
VA9A9Y	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
VAFAFU	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
VBQB2T	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
VJZMAJ	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
VL4F4H	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	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 1 - STR Results

VP7G6E	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
VRPFEN	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
VRR6KL	<i>PowerPlex® 16</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
VTLL3A	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
VY9GXL	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
W7NWPM	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
WD8ZWP	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
WGN6TY	<i>PowerPlex® 16 HS</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16

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 1 - STR Results

WH3R6L	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
WPJ3HM	<i>PowerPlex® Fusion 6C</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16,16
WQETJV	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
WTGQUN	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
WTL78N	<i>PowerPlex® Fusion 6C</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16,16
X28RQR	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
X6TF9J	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
XX9HCJ	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

XY4YU8	<i>Identifiler® Plus</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
XZXMD4	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
Y4TY6K	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
Y4VHDH	<i>PowerPlex® ESX17, GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
YBRKD9	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
YFJTGE	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	16,16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
YK3GKZ	<i>PowerPlex® Fusion 6C</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	16	X,Y	9,11	21,24
	5,8	8,12	16,22	6,7	9,11	16
YTUZZU	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	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 1 - STR Results

YYW7DB	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
Z3FKGC	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
Z4QM6V	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
ZAE6LT	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16
ZDUMWH	<i>PowerPlex® 18D</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
ZH6XPC	<i>PowerPlex® 16</i>					
1				16,17	11,12	8,10
	14,15			12,12	10,14	17,19
		30,31.2		X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16,16
ZHTUJZ	<i>PowerPlex® Fusion</i>					
1	10,16	17,19	14	16,17	11,12	8,10
	14,15	13,14	18,20	12	10,14	17,19
	14,15.2	30,31.2	[14],16	X,Y	9,11	21,24
	5,8	8,12		6,7	9,11	16
ZL64AA	<i>Identifiler® Direct</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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 1 - STR Results

ZMJ7GH	<i>Identifiler® Plus, MiniFiler™</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16
ZNWCK	<i>PowerPlex® ESX17, GlobalFiler™</i>					
1	10,16	17,19	14,14	16,17	11,12	8,10
	14,15	13,14	18,20	12,12	10,14	17,19
	14,15.2	30,31.2	14,16	X,Y	9,11	21,24
			16,22	6,7	9,11	16,16
ZYEHUV	<i>Identifiler®</i>					
1		17,19		16,17	11,12	8,10
	14,15			12,12	10,14	17,19
	14,15.2	30,31.2		X,Y	9,11	21,24
				6,7	9,11	16,16

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

26CTZC	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
2EPFDM	<i>Investigator® ESSplex Plus</i>					
2	14,16	20,25	14,15	15,17		
	12,13	13,13	17,20		10,13	18,18
	15,15.2	29,32.2	12,17	X,Y		20,24
				8,8		16,17
2ER3WL	<i>PowerPlex® 21</i>					
2	14,16	20,25		15,17	12,13	10,10
	12,13		17,20	12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
2XD2WP	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
2YALEH	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
34XJPQ	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
38EVJL	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
38XUJ6	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

3ANZXB	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
3BJGFY	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
3DKPEH	<i>PowerPlex® 21</i>					
2	14,16	20,25		15,17	12,13	10
	12,13		17,20	12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
3L6JZF	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
3QUZC7	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
3XVBKJ	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
3XX4H	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
46QPPG	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

49ND3H	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4A73NJ	<i>PowerPlex® PP16, GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8	8,10	16,17
4BZTUX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4JT44T	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
4K2KUC	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
4LBKXX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4M9VVL	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4MQRE9	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

4PUKDD	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
4RKQQJ	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
4Y2EAR	<i>PowerPlex® Fusion, 21</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
66LJXL	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
67C673	<i>Identifiler® Plus, MiniFiler™</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
68RZD6	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
6AEWGP	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6AGNDB	<i>GlobalFiler™ Express</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	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

6CQEZU	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
6GWC2L	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6LR2P7	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
6MNEBD	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6PDNMY	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6RFQ7A	<i>PowerPlex® 16 HS</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
6UQGJK	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6WC6ZQ	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	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

6WEXVD	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
6X4BCB	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6XHWLC	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6XNZLH	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
72332M	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
73XK23	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
76LYRX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
788XKM	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

79KBNX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
7BQVBX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
7VCWZ6	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
8B4PPD	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
8GBD7K	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
8H2E93	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
8L2MEX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
8QWEFP	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	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

8R8HWC	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
979GJA	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9E2H7E	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	16,17
9FECME	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9HZ23L	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9JEDY6	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9RNW4M	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9W3EEC	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

A7LBV4	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
A9NBTE	<i>Profiler® Plus</i>					
2				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
AAK8Q	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
AC7LQJ	<i>PowerPlex® 16</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
ADH7VM	<i>Investigator® 24plex QS</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
AFPJGV	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
ANJTMJ	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
ATEFHT	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

AYNLCD	GlobalFiler™ Express					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
B32YDD	Identifiler®					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
BDLZZE	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BED7CX	GlobalFiler™					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
BERKNE	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BGHQ3J	Identifiler®					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BGW6N8	PowerPlex® 18D					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
BGYUR6	PowerPlex® Fusion					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	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

BJ6FF6	<i>Identifiler® , Identifiler Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BLDKZK	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
BP9J74	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BULWCH	<i>PowerPlex® FUSION, ESX17</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
C48M99	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
CFZAE4	<i>PowerPlex® 16</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
CJ28QH	<i>PowerPlex® FUSION</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
CJLN97	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

CLT2UD	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
CLVPDD	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
CQNQGC	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
D8Z42E	<i>PowerPlex® 16</i>					
2				15,17	12,13	10
	12,13			12	10,13	18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
DCYF47	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
DEHHZD	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
DLLJ6D	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
DZ7WLU	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

DZ7WMF	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
E2TZMZ	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
E3P7C7	<i>PowerPlex® ESX 17, GlobalFiler™ Express</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
E9FLYT	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
ECRNMA	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
ED8WR4	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
EFDEQY	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
ENL3M7	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

EPZF79	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
EWX7U6	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
EXTKHH	<i>PowerPlex® Fusion 6C</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8	8,10	16,17
FAFFP9	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FBX3RX	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
FHD6C6	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FHXQ3A	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FN2QJR	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

FNZZ93	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FYYLJ8	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G34CN2	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G4A2M6	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
G72XDJ	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
G8AE43	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
G8UTX8	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G97NHD	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

GPCPFL	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
GUQHD7	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
GZCHMR	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
H4PHL4	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
HEBNE2	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
HHNMNA	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
J2TQHW	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
JCWJCW	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

JDUU8Z	<i>PowerPlex® 18D</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
JFE2BT	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
JGBC9G	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
JKQUK8	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
JNRT2Q	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
JQHYFW	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
JQZZ4J	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
JT24V7	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

JY737W	GlobalFiler™ Express					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
K3NNCN	Identifiler® Plus					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
K9U4HY	Identifiler® Plus					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
K9XHVZ	PowerPlex® ESX 17, GlobalFiler™					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
KE2QW2	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
KFRWA7	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
KG6KU7	Identifiler®, MiniFiler™					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
KQV6VX	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

KTFUFB	NGM SElect					
2	14,16	20,25	14,15	15,17		
	12,13	13	17,20		10,13	18
	15,15.2	29,32.2	12,17	X,Y		20,24
			15,28.2	8		16,17
KTGRTR	Identifiler®					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
KVME4B	PowerPlex® 16					
2				15,17	12,13	10
	12,13			12	10,13	18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
KZ3K4Q	Identifiler® Direct					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
L29PTY	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
L3YV86	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
L8HKX9	PowerPlex® FUSION					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
LDH8K3	Profiler® Plus					
2				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						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

LDZC32	GlobalFiler™					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	16,17
LFNMZL	Identifiler®					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
LG7RFY	Identifiler®					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
LHFG2V	GlobalFiler™ Express					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
LV4VUX	Identifiler® Plus					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
LVK3ZE	Identifiler® Plus					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
M22WDN	Identifiler®					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
M3HVRL	Identifiler® +					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

M8NR9Z	<i>Profiler® Plus</i>					
2				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
MEAKP7	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MF2LN3	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MKZTBL	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MLCPKW	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MP7T43	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MZW6NV	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
N3GAZZ	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

N4QLCA	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
NB78KD	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
NFXJC4	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
NGVKL2	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
NHTUH4	<i>Identifiler® Direct AmpFISTR Kit</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
NJ3YT8	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
NKUZUP	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
NL7WZU	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

NNRLFZ	<i>Identifiler® +</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
NQM3YN	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
P2F6FN	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
P2UCWY	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
P7AXRQ	<i>GlobalFiler™ Express</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
PCYHTL	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
PE38Z2	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
PNBM79	<i>PowerPlex® ESI 17</i>					
2	14,16	20,25	14,15	15,17		
	12,13	13	17,20		10,13	18
	15,15.2	29,32.2	12,17	X,Y		20,24
			15,28.2	8		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

PP4FZ8	<i>PowerPlex® FUSION</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
Q3PBVX	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
Q4H4QF	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
Q8YQZE	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
QBWA3D	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
QJ99RH	<i>PowerPlex® Fusion, 16 HS</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
QJDKFE	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
QMWKVU	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

QQVWTF	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RA8X6T	<i>Identifiler® Plus, GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
RAFGHV	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
REDZKT	<i>PowerPlex® 18D</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
RG36JR	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RJ4DJW	<i>COfiler® and Profiler Plus®</i>					
2				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
RNNV7M	<i>PowerPlex® FUSION</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
RPVFUM	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	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

RR79TW	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RTWE82	<i>PowerPlex® 16</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
RWXKJL	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
T8UT3N	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
TAWVNJ	<i>Identifiler® , Identifiler Plus, PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
TMPARM	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
TYE8V7	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
UC6FZQ	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

UEQ6FW	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
UW99VX	<i>GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
V8JZ2H	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
VA9A9Y	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
VAFAFU	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VBQB2T	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VJZMAJ	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VL4F4H	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

VP7G6E	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VRPFEN	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VRR6KL	<i>PowerPlex® 16</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
VTLL3A	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VY9GXL	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
W7NWPM	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WD8ZWP	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
WGN6TY	<i>PowerPlex® 16 HS</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	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

WH3R6L	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WPJ3HM	<i>PowerPlex® Fusion 6C</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
WQETJV	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WTGQUN	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WTL78N	<i>PowerPlex® Fusion 6C</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
X28RQR	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
X6TF9J	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
XX9HCJ	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

XY4YU8	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
XZXMD4	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
Y4TY6K	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
Y4VHDH	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
YBRKD9	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
YFJTGE	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
YK3GKZ	<i>PowerPlex® Fusion 6C</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8	8,10	16,17
YTUZZU	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

YYW7DB	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
Z3FKGC	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
Z4QM6V	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
ZAE6LT	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
ZDUMWH	<i>PowerPlex® 18D</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
ZH6XPC	<i>PowerPlex® 16</i>					
2				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
ZHTUJZ	<i>PowerPlex® Fusion</i>					
2	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
ZL64AA	<i>Identifiler® Direct</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

ZMJ7GH	<i>Identifiler® Plus</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
ZNWCK	<i>PowerPlex® ESX 17, GlobalFiler™</i>					
2	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
ZYEHUV	<i>Identifiler®</i>					
2		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

26CTZC	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
2EPFDM	<i>Investigator® ESSplex Plus</i>					
3	12,18.3	16,19	11,14	11,17		
	12,13	15,15	20,20		12,13	12,15
	13,14	32.2,33.2	15,16	X,Y		19,21
				7,9		16,16
2ER3WL	<i>PowerPlex® 21</i>					
3	12,18.3	16,19		11,17	11,11	8,9
	12,13		20,20	10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
2XD2WP	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
2YALEH	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
34XJPQ	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
38EVJL	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
38XUJ6	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

3ANZXB	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
3BJGFY	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
3DKPEH	<i>PowerPlex® 21</i>					
3	12,18.3	16,19		11,17	11	8,9
	12,13		20	10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
3L6JZF	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
3XVBKJ	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
3XXX4H	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
46QPPG	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
49ND3H	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	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

4A73NJ	<i>PowerPlex® PP16, GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16	25.2,28.2	7,9	8,10	16
4BZTUX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
4JT44T	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
4K2KUC	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
4LBKXX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
4M9VVL	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
4MQRE9	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
4PUKDD	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

4RKQQJ	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
4Y2EAR	<i>PowerPlex® Fusion, 21</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
66LJXL	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
68RZD6	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
6AEWGP	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
6CQEZU	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
6GWC2L	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
6MNEBD	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

6PDNMY	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
6PUY3J	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
6RFQ7A	<i>PowerPlex® 16</i>					
3				11,17	11,11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
6UQGJK	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
6WC6ZQ	<i>PowerPlex® 16</i>					
3				11,17	11,11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
6WEXVD	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
6X4BCB	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
6XHWLC	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

6XNZLH	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
72332M	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16
73XK23	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
76LYRX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
788XKM	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
79KBNX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
7BQVBX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
7VCWZ6	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16

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

8B4PPD	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
8GBD7K	<i>Identifiler® Plus AmpFISTR Kit</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
8H2E93	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
8L2MEX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
8QWEFF	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16
8R8HWC	<i>Identifiler® Plus</i>					
3		16,18,19		11,16,17	10,11	8,9
	11,12,13			10,13,14	11,12,13	12,15
	13,14	31.2,32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	15,16
979GJA	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
9E2H7E	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	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

9FECME	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
9HZ23L	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
9JEDY6	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
9RNW4M	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
9W3EEC	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
A7LBV4	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
A9NBTE	<i>Profiler® Plus</i>					
3				11,17	11,11	8,9
	12,13			10,14		12,15
		32.2,33.2		X,Y		19,21
						16,16
AAK8Q	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	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

AC7LQJ	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,14		7,9	8,10	16,16
ADH7VM	<i>Investigator® 24plex QS</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
AFPJGV	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
ANJTMJ	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
ATEFHT	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
AYNLCD	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,11	16,16
B32YDD	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
BDLZZE	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

BERKNE	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
BGHQ3J	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
BJ6FF6	<i>Identifiler® , Identifiler Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
BLDKZK	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
BP9J74	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
BULWCH	<i>PowerPlex® FUSION, ESX17</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16	25.2,28.2	7,9	8,10	16,16
C48M99	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
CFZAE4	<i>PowerPlex® 16</i>					
3				11,17	11,11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16

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

CJ28QH	<i>PowerPlex® FUSION</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
CJLN97	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
CLT2UD	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
CLVPDD	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
CQNQGC	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
D8Z42E	<i>PowerPlex® 16</i>					
3				11,17	11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
DEHHZD	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
DLLJ6D	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16

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

DZ7WLU	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
DZ7WMF	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
E2TZMZ	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
E3P7C7	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
E9FLYT	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
ECRNMA	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
ED8WR4	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
EFDEQY	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16

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

ENL3M7	<i>Identifiler®</i>					
3	16,19			11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
EPZF79	<i>Identifiler® Plus</i>					
3	16,19			11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
EWX7U6	<i>Identifiler® Plus</i>					
3	16,19			11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
EXTKHH	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
FAFFP9	<i>Identifiler® Plus</i>					
3	16,19			11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
FHD6C6	<i>Identifiler® Plus</i>					
3	15,16,18,19			11,16,17	10,11	8,9
	11,12,13			10,13,14	12,13	11,12,14,15
	12,13,14	31.2,32.2,33.2		X,Y	10,11,12	19,21
				7,9	8,10	15,16
FHXQ3A	<i>Identifiler® Plus</i>					
3	16,19			11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
FN2QJR	<i>Identifiler®</i>					
3	16,19			11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

FNZZ93	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
FYYLJ8	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
G34CN2	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
G4A2M6	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
G72XDJ	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
G8AE43	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
G8UTX8	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
G97NHD	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

GPCPFL	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
GUQHD7	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
GZCHMR	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
H4PHL4	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
HEBNE2	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
HHNMNA	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
J2TQHW	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
JCWJCW	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

JGBC9G	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
JKQUK8	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
JNRT2Q	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
JQHYFW	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
JQZZ4J	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
JT24V7	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
K3NNCN	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
K9U4HY	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	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

K9XHVZ	GlobalFiler™					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
KE2QW2	Identifiler® Plus					
3		16,18,19		11,16,17	10,11	8,9
	11,12,13			10,13,14	11,12,13	12,14,15
	13,14	31.2,32.2,33.2		X,Y	10,11,12	19,20,21
				7,9	8,10	15,16
KFRWA7	Identifiler® Plus					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
KG6KU7	Identifiler®, MiniFiler™					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
KQV6VX	Identifiler® Plus					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
KTFUFB	NGM Select					
3	12,18.3	16,19	11,14	11,17		
	12,13	15	20		12,13	12,15
	13,14	32.2,33.2	15,16	X,Y		19,21
			25.2,28.2	7,9		16
KVME4B	PowerPlex® 16					
3				11,17	11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
L29PTY	Identifiler® Plus					
3		15,16,18,19		11,16,17	10,11	8,9
	11,12,13			10,13,14	11,12,13	11,12,14,15
	12,13,14	31.2,32.2,33.2		X,Y	10,11,12	19,20,21
				7,9	8,10	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

L3YV86	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
L8HKX9	<i>PowerPlex® FUSION</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
LDH8K3	<i>Profiler® Plus</i>					
3				11,17	11,11	8,9
	12,13			10,14		12,15
		32.2,33.2		X,Y		19,21
						16,16
LDZC32	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16
LFNMZL	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
LG7RFY	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
LHFG2V	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
LV4VUX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

LVK3ZE	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
M8NR9Z	<i>Profiler® Plus</i>					
3				11,17	11,11	8,9
	12,13			10,14		12,15
		32.2,33.2		X,Y		19,21
						16,16
MEAKP7	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
MF2LN3	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
MKZTBL	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
MP7T43	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
MZW6NV	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
N3GAZZ	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

N4QLCA	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
NB78KD	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
NFXJC4	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
NGVKL2	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
NHTUH4	<i>Identifiler® Plus AmpFISTR Kit</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
NJ3YT8	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
NL7WZU	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
NNRLFZ	<i>Identifiler® +</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

P2UCWY	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
PE38Z2	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
PNBM79	<i>PowerPlex® ESI 17</i>					
3	12,18.3	16,19	11,14	11,17		
	12,13	15	20		12,13	12,15
	13,14	32.2,33.2	15,16	X,Y		19,21
			25.2,28.2	7,9		16
PP4FZ8	<i>PowerPlex® FUSION</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
Q3PBVX	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
Q4H4QF	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
Q8YQZE	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
QBWA3D	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

QJDKFE	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
QMWKVU	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
QQVWTF	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
RA8X6T	<i>Identifiler® Plus, GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
RAFGHV	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
RG36JR	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
RJ4DJW	<i>COfiler® and Profiler Plus®</i>					
3				11,17	11,11	8,9
	12,13			10,14		12,15
		32.2,33.2		X,Y		19,21
						16,16
RNNV7M	<i>PowerPlex® FUSION</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	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

RPVFUM	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
RR79TW	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
RTWE82	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
RWVKJL	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
T8UT3N	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
TAWVNJ	<i>Identifiler® , Identifiler Plus, PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
TMPARM	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
TYE8V7	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	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

UC6FZQ	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
UEQ6FW	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
UW99VX	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
VA9A9Y	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
VAFAFU	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
VBQB2T	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
VJZMAJ	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
VP7G6E	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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

VRPFEN	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
VRR6KL	<i>PowerPlex® 16</i>					
3				11,17	11,11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
VTLL3A	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
VY9GXL	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
WD8ZWP	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
WGN6TY	<i>PowerPlex® 16</i>					
3				11,17	11,11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
WH3R6L	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
WPJ3HM	<i>PowerPlex® Fusion 6C</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16	25.2,28.2	7,9	8,10	16,16

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

WQETJV	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
WTGQUN	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
WTL78N	<i>PowerPlex® Fusion 6C</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16	25.2,28.2	7,9	8,10	16,16
X28RQR	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
X6TF9J	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
XX9HCJ	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
XY4YU8	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
XZXMD4	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	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

Y4TY6K	<i>Identifiler®</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
Y4VHDH	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
YFJTGE	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16
YTUZZU	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
YYW7DB	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
Z4QM6V	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
ZAE6LT	<i>Identifiler® Plus</i>					
3		16,19		11,17	11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16
ZH6XPC	<i>PowerPlex® 16</i>					
3				11,17	11,11	8,9
	12,13			10,14	12,13	12,15
		32.2,33.2		X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16,16

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

ZHTUJZ	<i>PowerPlex® Fusion</i>					
3	12,18.3	16,19	11,14	11,17	11	8,9
	12,13	15	20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
	8,12	14,16		7,9	8,10	16
ZMJ7GH	<i>Identifiler® Plus</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16
ZNWXCK	<i>GlobalFiler™</i>					
3	12,18.3	16,19	11,14	11,17	11,11	8,9
	12,13	15,15	20,20	10,14	12,13	12,15
	13,14	32.2,33.2	15,16	X,Y	11,12	19,21
			25.2,28.2	7,9	8,10	16,16
ZYEHUV	<i>Identifiler®</i>					
3		16,19		11,17	11,11	8,9
	12,13			10,14	12,13	12,15
	13,14	32.2,33.2		X,Y	11,12	19,21
				7,9	8,10	16,16

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 4 - STR Results

26CTZC	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
2EPFDM	<i>Investigator® ESSplex Plus</i>					
4	14,16	20,25	14,15	15,17		
	12,13	13,13	17,20		10,13	18,18
	15,15.2	29,32.2	12,17	X,Y		20,24
				8,8		16,17
2ER3WL	<i>PowerPlex® 21</i>					
4	14,16	20,25		15,17	12,13	10,10
	12,13		17,20	12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
2XD2WP	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
2YALEH	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
34XJPQ	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
38EVJL	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
38XUJ6	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

3ANZXB	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
3BJGFY	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
3DKPEH	<i>PowerPlex® 21</i>					
4	14,16	20,25		15,17	12,13	10
	12,13		17,20	12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
3L6JZF	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
3XVBKJ	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
3XXX4H	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
46QPPG	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
49ND3H	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

4A73NJ	<i>PowerPlex® PP16, GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8	8,10	16,17
4BZTUX	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4JT44T	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
4K2KUC	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
4LBKXX	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4M9VVL	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
4MQRE9	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
4PUKDD	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

4RKQQJ	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
4Y2EAR	<i>PowerPlex® Fusion, 21</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
66LJXL	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
68RZD6	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
6AEWGP	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
6CQEZU	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
6GWC2L	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6MNEBD	<i>Identifiler® Plus, MiniFiler™</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

6PDNMY	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6RFQ7A	<i>PowerPlex® 16</i>					
4				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
6UQGJK	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6WC6ZQ	<i>PowerPlex® 16</i>					
4				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
6WEXVD	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
6X4BCB	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6XHWLC	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
6XNZLH	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

72332M	GlobalFiler™					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	16,17
73XK23	GlobalFiler™					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
76LYRX	Identifiler® Plus					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
788XKM	Identifiler® Plus					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
79KBNX	Identifiler® Plus					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
7BQVBX	Identifiler® Plus					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
7VCWZ6	PowerPlex® Fusion					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
8B4PPD	Identifiler® Plus					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

8GBD7K	<i>Identifiler® Plus AmpFISTR Kit</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
8H2E93	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
8L2MEX	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
8QWEPF	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	16,17
8R8HWC	<i>Identifiler® Plus</i>					
4		19,20,24,25		15,16,17	12,13	10,10
	12,13			11,12	10,12,13	17,18
	15,15.2	29,31.2,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
979GJA	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9E2H7E	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	16,17
9FECME	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

9HZ23L	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9JEDY6	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9RNV4M	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
9W3EEC	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
A7LBV4	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
A9NBTE	<i>Profiler® Plus</i>					
4				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
AAK8Q	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
AC7LQJ	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	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

ADH7VM	<i>PowerPlex® , Investigator® 24plex QS</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
AFPJGV	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
ANJTMJ	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
ATEFHT	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
AYNLCD	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
B32YDD	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
BDLZZE	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BERKNE	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

BGHQ3J	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BJ6FF6	<i>Identifiler® , Identifiler Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BLDKZK	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
BP9J74	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
BULWCH	<i>PowerPlex® FUSION, ESX17</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
C48M99	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
CFZAE4	<i>PowerPlex® 16</i>					
4				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
CJ28QH	<i>PowerPlex® FUSION</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	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

CJLN97	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
CLT2UD	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
CLVPDD	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
CQNQGC	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
D8Z42E	<i>PowerPlex® 16</i>					
4				15,17	12,13	10
	12,13			12	10,13	18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
DEHHZD	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
DLLJ6D	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
DZ7WLU	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

DZ7WMF	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
E2TZMZ	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
E3P7C7	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
E9FLYT	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
ECRNMA	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
ED8WR4	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
EFDEQY	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
ENL3M7	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

EPZF79	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
EWX7U6	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
EXTKHH	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
FAFFP9	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FHD6C6	<i>Identifiler® Plus</i>					
4		19,20,24,25		14,15,16,17	11,12,13	9,10
	12,13			11,12	10,12,13	17,18
	14,14.2,15,15.2	28,29,31.2,32.2		X,Y	10,11	20,23,24
				7,8	8,10	15,16,17
FHXQ3A	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FN2QJR	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
FNZZ93	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

FYYLJ8	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G34CN2	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G4A2M6	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			11,12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G72XDJ	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
G8AE43	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
G8UTX8	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
G97NHD	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
GPCPFL	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

GUQHD7	GlobalFiler™					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
GZCHMR	Identifiler®					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
H4PHL4	Identifiler®					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
HEBNE2	Identifiler® Plus					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
HHNMNA						
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
J2TQHW	Identifiler®					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
JCWJCW	Identifiler® Plus					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
JGBC9G	PowerPlex® Fusion					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	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

JKQUK8	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
JNRT2Q	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
JQHYFW	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
JQZZ4J	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
JT24V7	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
K3NNCN	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
K9U4HY	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
K9XHVZ	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	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

KE2QW2	<i>Identifiler® Plus</i>					
4	19,20,24,25			14,15,16,17	12,13	9,10
	12,13			11,12	10,12,13	17,18
	15,15.2	28,29,31.2,32.2		X,Y	10,11	20,23,24
				8	8,10	15,16,17
KFRWA7	<i>Identifiler® Plus</i>					
4	20,25			15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
KG6KU7	<i>Identifiler® , MiniFiler™</i>					
4	20,25			15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
KQV6VX	<i>Identifiler® Plus</i>					
4	20,25			15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
KTFUFB	<i>NGM SElect</i>					
4	14,16	20,25	14,15	15,17		
	12,13	13	17,20		10,13	18
	15,15.2	29,32.2	12,17	X,Y		20,24
			15,28.2	8		16,17
KVME4B	<i>PowerPlex® 16</i>					
4				15,17	12,13	10
	12,13			12	10,13	18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
L29PTY	<i>Identifiler® Plus</i>					
4	19,20,24,25			15,16,17	11,12,13	10
	12,13			11,12	10,12,13	17,18
	15,15.2	29,31.2,32.2		X,Y	10,11	20,24
				8	8,10	16,17
L3YV86	<i>Identifiler® Plus</i>					
4	20,25			15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

L8HKX9	<i>PowerPlex® FUSION</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
LDH8K3	<i>Profiler® Plus</i>					
4				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
LDZC32	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8	8,10	16,17
LFNMZL	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
LG7RFY	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
LHFG2V	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
LV4VUX	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
LVK3ZE	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

M8NR9Z	<i>Profiler® Plus</i>					
4				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
MEAKP7	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MF2LN3	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MKZTBL	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MP7T43	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
MZW6NV	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
N3GAZZ	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
N4QLCA	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	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

NB78KD	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
NFXJC4	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
NGVKL2	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
NHTUH4	<i>Identifiler® Plus AmpFISTR Kit</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
NJ3YT8	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
NL7WZU	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
NNRLFZ	<i>Identifiler® +</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
P2UCWY	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

PE38Z2	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
PNBM79	<i>PowerPlex® ESI 17</i>					
4	14,16	20,25	14,15	15,17		
	12,13	13	17,20		10,13	18
	15,15.2	29,32.2	12,17	X,Y		20,24
			15,28.2	8		16,17
PP4FZ8	<i>PowerPlex® FUSION</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
Q3PBVX	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
Q4H4QF	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
Q8YQZE	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
QBWA3D	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
QJDKFE	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

QMWKVU	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
QQVWTF	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RA8X6T	<i>Identifiler® Plus, GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
RAFGHV	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RG36JR	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RJ4DJW	<i>COfiler® and Profiler Plus®</i>					
4				15,17	12,13	10,10
	12,13			12,12		18,18
		29,32.2		X,Y		20,24
						16,17
RNNV7M	<i>PowerPlex® FUSION</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
RPVFUM	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	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

RR79TW	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RTWE82	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
RWXKJL	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
T8UT3N	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
TAWVNJ	<i>Identifiler® , Identifiler Plus, PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
TMPARM	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
TYE8V7	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
UC6FZQ	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

UEQ6FW	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
UW99VX	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
VA9A9Y	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
VAFAFU	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VBQB2T	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VJZMAJ	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VP7G6E	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VRPFFN	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

VRR6KL	<i>PowerPlex® 16</i>					
4				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
VTLL3A	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
VY9GXL	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WD8ZWP	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
WGN6TY	<i>PowerPlex® 16</i>					
4				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
WH3R6L	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WPJ3HM	<i>PowerPlex® Fusion 6C</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
WQETJV	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	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

WTGQUN	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
WTL78N	<i>PowerPlex® Fusion 6C</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9	15,28.2	8,8	8,10	16,17
X28RQR	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
X6TF9J	<i>Identifiler® Plus, MiniFiler™</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
XX9HCJ	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
XY4YU8	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
XZXMD4	<i>PowerPlex® Fusion</i>					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
Y4TY6K	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	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

Y4VHDH	GlobalFiler™					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
YFJTGE	PowerPlex® Fusion					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
YTUZZU	Identifiler® Plus					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
YYW7DB	Identifiler®					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
Z4QM6V	PowerPlex® Fusion					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	16,17
ZAE6LT	Identifiler® Plus					
4		20,25		15,17	12,13	10
	12,13			12	10,13	18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8	8,10	16,17
ZH6XPC	PowerPlex® 16					
4				15,17	12,13	10,10
	12,13			12,12	10,13	18,18
		29,32.2		X,Y	10,11	20,24
	5,12	5,9		8,8	8,10	16,17
ZHTUJZ	PowerPlex® Fusion					
4	14,16	20,25	14,15	15,17	12,13	10
	12,13	13	17,20	12	10,13	18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
	5,12	5,9		8	8,10	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

ZMJ7GH	<i>Identifiler® Plus</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17
ZNWCK	<i>GlobalFiler™</i>					
4	14,16	20,25	14,15	15,17	12,13	10,10
	12,13	13,13	17,20	12,12	10,13	18,18
	15,15.2	29,32.2	12,17	X,Y	10,11	20,24
			15,28.2	8,8	8,10	16,17
ZYEHUV	<i>Identifiler®</i>					
4		20,25		15,17	12,13	10,10
	12,13			12,12	10,13	18,18
	15,15.2	29,32.2		X,Y	10,11	20,24
				8,8	8,10	16,17

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

26CTZC	Yfiler® 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
2YALEH	Yfiler® 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
38XUJ6	Yfiler® 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
3DKPEH	Yfiler® Plus 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18	26	12
			19	16	23		12		
3L6JZF	Yfiler® 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
3QUZC7	1						10		
46QPPG	Yfiler® 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
49ND3H	Yfiler® 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
4A73NJ	PowerPlex® Y 23 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18	26	12
		11	19	16	23	14	12		
4BZTUX	PowerPlex® Y 23 1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18	26	12
		11	19	16	23	14	12		

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

4JT44T	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
4RKQQJ	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
4Y2EAR	PowerPlex® Y	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
66LJXL	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
67C673	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
6AGNDB	GlobalFiler™ Express	1						10		
									2	
6CQEZU	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
6GWC2L	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
6MNEBD	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
6RFQ7A	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		

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

6WC6ZQ	1						10		
<hr/>									
6WEXVD	Yfiler®								
	1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
6XHWLC	Yfiler®								
	1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
6XNZLH	Yfiler®								
	1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
72332M	1						10		
								2	
<hr/>									
73XK23	1						10		
								2	
<hr/>									
7VCWZ6	Yfiler®								
	1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
8B4PPD	Yfiler®								
	1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
8GBD7K	Yfiler®								
	1	15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
8H2E93	1						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 1 - YSTR Results

8QWEPF	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
8R8HWC	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
9E2H7E	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
9FECME	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
9JEDY6	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
9RNW4M	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
AAKK8Q	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
ADH7VM	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
AFPJGV	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
ANJTMJ	1							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 1 - YSTR Results

AYNLCD	1								10	
										2
BED7CX	1								10	
										2
BGHQ3J	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
							23		12	
BLDKZK	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
							23		12	
BULWCH	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
CJ28QH	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
CLT2UD	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
							23		12	
CLVPDD	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
							23		12	
CQNQGC	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
							23		12	
DEHHZD	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
							23		12	

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

DLLJ6D										
	1							10		
								2		
<hr/>										
DZ7WLU										
	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
								23	12	
<hr/>										
DZ7WMF										
	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
								23	12	
<hr/>										
E2TZMZ										
	PowerPlex® Y 23									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18	26	12	
		11	19	16	23	14	12			
<hr/>										
E3P7C7										
	1							10		
								2		
<hr/>										
E9FLYT										
	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
								23	12	
<hr/>										
ED8WR4										
	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
								23	12	
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EFDEQY										
	1							10		
<hr/>										
ENL3M7										
	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
								23	12	
<hr/>										
EPZF79										
	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
								23	12	
<hr/>										

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

EWX7U6	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
EXTKHH	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
FAFFP9	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
FBX3RX	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
FHXQ3A	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
FN2QJR	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
FNZZ93	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
FYYLJ8	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
G34CN2	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
G72XDJ	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		

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

G8AE43	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
G97NHD	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
GPCPFL	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
GUQHD7	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12	2	
GZCHMR	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
H4PHL4	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
HHNMNA	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
J2TQHW	Yfiler®	1						10		
JFE2BT	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
JGBC9G	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		

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

JKQUK8	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
JQHYFW	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
JY737W	GlobalFiler™ Express	1						10		
										2
K3NNCN	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
K9U4HY	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
K9XHVZ		1						10		
										2
KFRWA7	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
KQV6VX	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
KTGRTR	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
L3YV86	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		

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

L8HKX9	1						10		
<hr/>									
LDZC32	1						10		
<hr/>									
LFNMZL	Yfiler®								
1		15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
LHFG2V	1						10		
<hr/>									
LV4VUX	Yfiler®								
1		15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
M3HVRL	Yfiler®								
1		15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
MEAKP7	Yfiler®								
1		15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
MF2LN3	Yfiler®								
1		15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
MP7T43	Yfiler®								
1		15	16,17	13	30	21	10	11	13
		14	11	13	21	15	18		
					23		12		
<hr/>									
MZW6NV	1						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 1 - YSTR Results

N4QLCA	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
NB78KD	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
NFXJC4	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
NHTUH4	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
NJ3YT8	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
NKUZUP	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
P2UCWY	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
P7AXRQ	GlobalFiler™ Express	1						10		
									2	
PE38Z2	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
PNBM79	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		

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

PP4FZ8	PowerPlex® Y 23	1	15	16,17	13	30	21	11	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
Q3PBVX	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
Q4H4QF	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
QBWA3D	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
QJ99RH	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
QJDKFE	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
RA8X6T	1							10		
									2	
RAFGHV	Yfiler®	1	15	16,17	13	30	21	10	11	14
			14	11	13	21	15	18		
						23		12		
RNNV7M	1							10		
RPVFUM	1							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 1 - YSTR Results

RR79TW	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
RWXKJL	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
T8UT3N	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
TAWVNI		1						10		
TYE8V7	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
UW99VX		1						10		
									2	
V8JZ2H	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
VA9A9Y		1						10		
VJZMAJ	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
VL4F4H	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		

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

VP7G6E	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
VRPFN	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
VRR6KL	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
WD8ZWP	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
WGN6TY	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
WPJ3HM	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
WQETJV	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
WTL78N	PowerPlex® Y 23	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18	26	12
			11	19	16	23	14	12		
XX9HCJ	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		
XZXMD4	Yfiler®	1	15	16,17	13	30	21	10	11	13
			14	11	13	21	15	18		
						23		12		

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

Y4VHDH	1	10								
		2								
YBRKD9	1	10								
YFJTGE	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
YK3GKZ	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
YTUZZU	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
YYW7DB	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
Z4QM6V	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
ZAE6LT	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
ZHTUJZ	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			
ZMJ7GH	Yfiler®									
	1	15	16,17	13	30	21	10	11	13	
		14	11	13	21	15	18			
					23		12			

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

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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

26CTZC	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
2YALEH	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
38XUJ6	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
3DKPEH	Yfiler® plus	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
				18	17	22		11		
3L6JZF	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
3QUZC7	Yfiler®	2						10		
46QPPG	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
49ND3H	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
4A73NJ	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
4BZTUX	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		

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

4JT44T	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
4RKQQJ	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
4Y2EAR	PowerPlex® Y	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
66LJXL	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
67C673	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6AGNDB	GlobalFiler™ Express	2						10		
									2	
6CQEZU	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6GWC2L	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6MNEBD	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6RFQ7A	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		

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

6WC6ZQ	2						10		
<hr/>									
6WEXVD	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
6XHWLC	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
6XNZLH	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
72332M	2						10		
								2	
<hr/>									
73XK23	2						10		
								2	
<hr/>									
7VCWZ6	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
8B4PPD	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
8GBD7K	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
8H2E93	2						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

8QWEPF	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
8R8HWC	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
9E2H7E	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
9FECME	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
9JEDY6	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
9RNV4M	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
AAKK8Q	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
ADH7VM	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
AFPJGV	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
ANJTMJ	2							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	

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AYNLCD	2	10								
		2								
BED7CX	2	10								
		2								
BGHQ3J	Yfiler®									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18			
					22		11			
BGYUR6	2	10								
BLDKZK	Yfiler®									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18			
					22		11			
BULWCH	PowerPlex® Y 23									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18	24	13	
		10	18	17	22	14	11			
CJ28QH	PowerPlex® Y 23									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18	24	13	
		10	18	17	22	14	11			
CLT2UD	Yfiler®									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18			
					22		11			
CLVPDD	Yfiler®									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18			
					22		11			
CQNQGC	Yfiler®									
	2	14	14,16	12	29	21	10	12	14	
		15	11	11	20	15	18			
					22		11			

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	

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DEHHZD	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
<hr/>										
DLLJ6D		2						10		
										2
<hr/>										
DZ7WLU	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
<hr/>										
DZ7WMF	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
<hr/>										
E2TZMZ	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
<hr/>										
E3P7C7		2						10		
										2
<hr/>										
E9FLYT	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
<hr/>										
ED8WR4	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
<hr/>										
EFDEQY		2						10		
<hr/>										
ENL3M7	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
<hr/>										

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

EPZF79	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
EWX7U6	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
EXTKHH	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
FAFFP9	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
FBX3RX	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
FHXQ3A	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
FN2QJR	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
FNZZ93	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
FYYLJ8	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
G34CN2	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		

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

G72XDJ	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
G8AE43	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
G97NHD	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
GPCPFL	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
GUQHD7	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11	2	
GZCHMR	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
H4PHL4	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
HHNMNA	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
J2TQHW	2							10		
JFE2BT	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

JGBC9G	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
JKQUK8	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
JQHYFW	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
JY737W	GlobalFiler™ Express	2						10		
										2
K3NNCN	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
K9U4HY	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
K9XHVZ		2						10		
										2
KFRWA7	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
KQV6VX	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
KTGRTR	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

L3YV86	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
L8HKX9	2						10		
<hr/>									
LDZC32	2						10		
									2
<hr/>									
LFNMZL	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
LHFG2V	2						10		
									2
<hr/>									
LV4VUX	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
M3HVRL	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
MEAKP7	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
MF2LN3	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
MP7T43	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		

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

MZW6NV	2						10		
<hr/>									
N4QLCA	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
NB78KD	PowerPlex® Y 23								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		
<hr/>									
NFXJC4	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
NHTUH4	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
NJ3YT8	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
NKUZUP	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
P2UCWY	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
P7AXRQ	GlobalFiler™ Express								
	2						10		
								2	
<hr/>									
PE38Z2									
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		

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

PNBM79	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
PP4FZ8	PowerPlex® Y 23	2	14	14,16	12	29	21	11	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
Q3PBVX	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
Q4H4QF	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
QBWA3D	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
QJ99RH	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
QJDKFE	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
RA8X6T	2							10		
									2	
RAFGHV	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
RNNV7M	2							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	

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RPVFUM	2						10		
<hr/>									
RR79TW	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
RWXKJL	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
T8UT3N	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
TAWVNJ	2						10		
<hr/>									
TYE8V7	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
UW99VX	2						10		
								2	
<hr/>									
V8JZ2H	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
<hr/>									
VA9A9Y	2						10		
<hr/>									
VJZMAJ	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		

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

VL4F4H	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
VP7G6E	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
VRPFFN	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
VRR6KL	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
WD8ZWP	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
WGN6TY	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
WPJ3HM	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
WQETJV	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
WTL78N	PowerPlex® Y 23	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
XX9HCJ	Yfiler®	2	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

XZXMD4	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
Y4VHDH	2						10		
									2
YBRKD9	2						10		
YFJTGE	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
YK3GKZ	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
YTUZZU	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
YYW7DB	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
Z4QM6V	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
ZAE6LT	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
ZHTUJZ	Yfiler® 2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		

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	

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ZMJ7GH	Yfiler®								
	2	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
ZNWCK									
	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	

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26CTZC	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
2YALEH	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
38XUJ6	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
3DKPEH	Yfiler® plus	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
				23	18	21		12		
3L6JZF	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
46QPPG	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
49ND3H	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
4A73NJ	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
4BZTUX	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
4JT44T	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

4RKQQJ	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
4Y2EAR	PowerPlex® Y	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
66LJXL	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
6AEWGP	PowerPlex® Fusion	3						9		
6CQEZU	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
6GWC2L	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
6MNEBD	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
6RFQ7A	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
6WEXVD	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
6XHWLC	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

6XNZLH	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
72332M	3						9		
								2	
73XK23	3						9		
								2	
7VCWZ6	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
8B4PPD	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
8GBD7K	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
8H2E93	3						9		
8QWEPF	PowerPlex® Y 23 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18	28	11
		12	23	18	21	12	12		
8R8HWC	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
9E2H7E	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		

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

9FECME	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
9JEDY6	PowerPlex® Y 23 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18	28	11
		12	23	18	21	12	12		
9RNW4M	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
AAK8Q	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
AC7LQJ	3						9		
ADH7VM	PowerPlex® Y 23 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18	28	11
		12	23	18	21	12	12		
AFPJGV	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
ANJTMJ	3						9		
AYNLCD	3						9		
								2	
BGHQ3J	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		

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

BLDKZK	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
BULWCH	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
CJ28QH	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
CLT2UD	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
CLVPDD	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
CQNQGC	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
DEHHZD		3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
DLLJ6D		3						9		
									2	
DZ7WLU	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
DZ7WMF	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

E2TZMZ	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
E3P7C7		3						9		
									2	
ED8WR4	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
EFDEQY		3						9		
ENL3M7	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
EPZF79	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
EWX7U6	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
EXTKHH	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
FAFFP9	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
FHXQ3A	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

FNZZ93	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
FYIJ8	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
G34CN2	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
G72XDJ	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
G8AE43	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
G97NHD	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
GPCPFL	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
GUQHD7	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12	2	
H4PHL4	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
HHNMNA		3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

JGBC9G	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
JKQUK8	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
JQHYFW	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
JQZZ4J	PowerPlex® Y	3								
K3NNCN	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
K9U4HY	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
K9XHVZ		3								9
KFRWA7	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
KQV6VX	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
L3YV86	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

L8HKX9	3	9								
LDZC32	3	9								2
LFNMZL	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
					21		12			
LHFG2V	3	9								2
LV4VUX	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
					21		12			
MEAKP7	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
					21		12			
MF2LN3	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
					21		12			
MP7T43	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
					21		12			
MZW6NV	3	9								
N4QLCA	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
					21		12			

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

NB78KD	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
NFXJC4	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
NHTUH4	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
NJ3YT8	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
P2UCWY	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
PE38Z2	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
PNBM79	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
PP4FZ8	PowerPlex® Y 23	3	13	12,15	14	30	24	10	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
Q3PBVX	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
Q4H4QF	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

QBWA3D	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
QJDKFE	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
RA8X6T		3						9		
									2	
RAFGHV	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
RNNV7M		3						9		
RPVFUM		3						9		
RR79TW	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
RWXKJL	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
T8UT3N	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
TAWVNJ		3						9		

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

TYE8V7	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
UW99VX		3						9		
										2
VA9A9Y		3						9		
VJZMAJ	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
VP7G6E	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
VRPFFN	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
VRR6KL	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
WD8ZWP	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
WGN6TY	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
WPJ3HM	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		

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

WQETJV	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
WTL78N	PowerPlex® Y 23	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18	28	11
			12	23	18	21	12	12		
XX9HCJ	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
XZXMD4	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
Y4VHDH		3						9		
										2
YFJTGE	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
YTUZZU	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
YYW7DB	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
Z4QM6V	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		
ZAE6LT	Yfiler®	3	13	12,15	14	30	24	9	11	13
			14	10	10	20	16	18		
						21		12		

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

ZHTUJZ	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
ZMJ7GH	Yfiler® 3	13	12,15	14	30	24	9	11	13
		14	10	10	20	16	18		
					21		12		
ZNXWCK	3						9		
									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 4 - YSTR Results

26CTZC	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
2YALEH	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
38XUJ6	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
3DKPEH	Yfiler® plus	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
				18	17	22		11		
3L6JZF	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
46QPPG	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
49ND3H	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
4A73NJ	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
4BZTUX	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
4JT44T	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

4RKQQJ	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
4Y2EAR	PowerPlex® Y	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
66LJXL	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6AEWGP	PowerPlex® Fusion	4						10		
6CQEZU	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6GWC2L	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6MNEBD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6RFQ7A	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
6WEXVD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
6XHWLC	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

6XNZLH	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
72332M	Yfiler®	4						10		
									2	
73XK23	Yfiler®	4						10		
									2	
7VCWZ6	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
8B4PPD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
8GBD7K	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
8H2E93	Yfiler®	4						10		
8QWEPF	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
8R8HWC	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
9E2H7E	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

9FECME	Yfiler® 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
9JEDY6	PowerPlex® Y 23 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		
9RNW4M	Yfiler® 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
AAK8Q	Yfiler® 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
AC7LQJ	4						10		
ADH7VM	PowerPlex® Y 23 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		
AFPJGV	Yfiler® 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
ANJTMJ	4						10		
AYNLCD	4						10		
								2	
BGHQ3J	Yfiler® 4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		

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

BLDKZK	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
BULWCH	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
CJ28QH	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
CLT2UD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
CLVPDD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
CQNQGC	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
DEHHZD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
DLLJ6D		4						10		
									2	
DZ7WLU	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
DZ7WMF	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

E2TZMZ	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
E3P7C7		4						10		
									2	
ED8WR4	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
EFDEQY		4						10		
ENL3M7	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
EPZF79	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
EWX7U6	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
EXTKHH	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
FAFFP9	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
FHXQ3A	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

FNZZ93	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
FYYLJ8	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
G34CN2	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
G72XDJ	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
G8AE43	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
G97NHD	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
GPCPFL	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
GUQHD7	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11	2	
H4PHL4	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
HHNMNA	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

JGBC9G	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
JKQUK8	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
JQHYFW	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
K3NNCN	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
K9U4HY	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
K9XHVZ		4						10		
									2	
KFRWA7	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
KQV6VX	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
L3YV86	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
L8HKX9		4						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

LDZC32	4						10		
								2	
LFNMZL	Yfiler®								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
LHFG2V	4						10		
								2	
LV4VUX	Yfiler®								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
MEAKP7	Yfiler®								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
MF2LN3	Yfiler®								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
MP7T43	Yfiler®								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
MZW6NV	4						10		
N4QLCA	Yfiler®								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
NB78KD	PowerPlex® Y 23								
4		14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		

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

NFXJC4	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
NHTUH4	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
NJ3YT8	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
P2UCWY	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
PE38Z2	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
PNBM79	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
PP4FZ8	PowerPlex® Y 23	4	14	14,16	12	29	21	11	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
Q3PBVX	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
Q4H4QF	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
QBWA3D	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

QJDKFE	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
RA8X6T		4						10		
									2	
RAFGHV	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
RNNV7M		4						10		
RPVFUM		4						10		
RR79TW	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
RWXKJL	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
T8UT3N	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
TAWVNJ		4						10		
TYE8V7	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

UW99VX	4						10		
								2	
VA9A9Y	4						10		
VJZMAJ	Yfiler®								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
VP7G6E	Yfiler®								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
VRPFEN	Yfiler®								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
VRR6KL	PowerPlex® Y 23								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		
WD8ZWP	Yfiler®								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
WGN6TY	PowerPlex® Y 23								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		
WPJ3HM	PowerPlex® Y 23								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		
WQETJV	PowerPlex® Y 23								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18	24	13
		10	18	17	22	14	11		

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

WTL78N	PowerPlex® Y 23	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18	24	13
			10	18	17	22	14	11		
XX9HCJ	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
XZXMD4	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
Y4VHDH		4						10		
									2	
YFJTGE	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
YTUZZU	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
YYW7DB	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
Z4QM6V	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
ZAE6LT	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		
ZHTUJZ	Yfiler®	4	14	14,16	12	29	21	10	12	14
			15	11	11	20	15	18		
						22		11		

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

ZMJ7GH	Yfiler®								
	4	14	14,16	12	29	21	10	12	14
		15	11	11	20	15	18		
					22		11		
ZNWCK									
	4						10		
								2	

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D6S1043	2ER3WL	11,18	12,19	11,12			12,19		
	3DKPEH	11,18	12,19	11,12			12,19		
DYS387S1	3DKPEH	36,39	36,38	36,38			36,38		
DYS391	4JT44T	10	10	9			10		
	6CQEZU	10	10	9			10		
	AAK8Q	10	10	9			10		
	BLDKZK	10	10	9			10		
	G72XDJ	10	10	9			10		
	JGBC9G	10	10	9			10		
	N4QLCA	10	10	9			10		
	NJ3YT8	10	10	9			10		
	PP4FZ8	10	10	9			10		
	XZXMD4	10	10	9			10		
	YK3GKZ	10	10						
	Z4QM6V	10	10	9			10		
	ZHTUJZ	10	10	9			10		
DYS391 (Globalfiler)	4A73NJ	10	10	9			10		
	8QWEPF	10	10	9			10		
DYS391 (PP FUSION 6C)	EXTKHH	10	10						
DYS391 (PP FUSION)	EXTKHH			9			10		
DYS449	3DKPEH	29	31	32			31		
DYS460	3DKPEH	10	10	11			10		
DYS518	3DKPEH	42	38	42			38		
DYS570	YK3GKZ	19	18						
DYS570 (PP FUSION 6C)	EXTKHH	19	18						
DYS576	YK3GKZ	16	17						
DYS576 (PP FUSION 6C)	EXTKHH	16	17						
DYS627	3DKPEH	21	18	18			18		
Y INDEL (Globalfiler)	4A73NJ	2	2	2			2		
	8QWEPF	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
26CTZC	No	No	No	Yes	4MQRE9	No	No	No	Yes
2EPFDM	No	No	No	Yes	4PUKDD	No	No	No	Yes
2ER3WL	No	No	No	Yes	4RKQQJ	No	No	No	Yes
2XD2WP	No	No	No	Yes	4Y2EAR	No	No	No	Yes
2YALEH	No	No	No	Yes	66LJXL	No	No	No	Yes
34XJPQ	No	No	No	Yes	67C673	No Interpretations Reported, DNA Analyzed for Database purposes only.			
38EVJL	No	No	No	Yes	68RZD6	No	No	No	Yes
38XUJ6	No	No	No	Yes	6AEWGP	No	No	No	Yes
3ANZXB	No	No	No	Yes	6AGNDB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3BJGFY	No	No	No	Yes	6CQEZU	No	No	No	Yes
3DKPEH	No	No	No	Yes	6GWC2L	No	No	No	Yes
3L6JZF	No	No	No	Yes	6LR2P7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3QUZC7	No Interpretations Reported, DNA Analyzed for Database purposes only.				6MNEBD	No	No	No	Yes
3XVBKJ	No	No	No	Yes	6PDNMY	No	No	No	Yes
3XX4H	No	No	No	Yes	6PUY3J				
46QPPG	No	No	No	Yes	6RFQ7A	No	No	No	Yes
49ND3H	No	No	No	Yes	6UQGJK	No	No	No	Yes
4A73NJ	No	No	No	Yes	6WC6ZQ	No	No	No	Yes
4BZTUX	No	No	No	Yes	6WEXVD	No	No	No	Yes
4JT44T	No	No	No	Yes	6X4BCB	No	No	No	Yes
4K2KUC	No	No	No	Yes	6XHWLC	No	No	No	Yes
4LBKXX	No	No	No	Yes	6XNZLH	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4M9VWL	No	No	No	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
72332M	No	No	No	Yes	AFPJGV	No	No	No	Yes
73XK23	No	No	No	Yes	ANJTMJ	No	No	No	Yes
76LYRX	No	No	No	Yes	ATEFHT	No	No	No	Yes
788XKM	No	No	No	Yes	AYNLCD	No	No	No	Yes
79KBNX	No	No	No	Yes	B32YDD	No	No	No	Yes
7BQVBX	No	No	No	Yes	BDLZZE	No	No	No	Yes
7VCWZ6	No	No	No	Yes	BED7CX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8B4PPD	No	No	No	Yes	BERKNE	No	No	No	Yes
8GBD7K	No	No	No	Yes	BGHQ3J	No	No	No	Yes
8H2E93	No	No	No	Yes	BGW6N8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8L2MEX	No	No	No	Yes	BGYUR6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8QWEPF	No	No	No	Yes	BJ6FF6	No	No	No	Yes
8R8HWC	No	No	No	Yes	BLDKZK	No	No	No	Yes
979GJA	No	No	No	Yes	BP9J74	No	No	No	Yes
9E2H7E	No	No	No	Yes	BULWCH	No	No	No	Yes
9FECME	No Interpretations Reported, DNA Analyzed for Database purposes only.				C48M99	No	No	No	Yes
9HZ23L	No	No	No	Yes	CFZAE4	No	No	No	Yes
9JEDY6	No	No	No	Yes	CJ28QH	No	No	No	Yes
9RNW4M	No	No	No	Yes	CJLN97	No	No	No	Yes
9W3EEC	No	No	No	Yes	CLT2UD	No	No	No	Yes
A7LBV4	No	No	No	Yes	CLVPDD	No	No	No	Yes
A9NBTE	No	No	No	Yes	CQNQGC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
AAK8Q	No	No	No	Yes	D8Z42E	No	No	No	Yes
AC7LQJ	No	No	No	Yes	DCYF47	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ADH7VM	No	No	No	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
DEHHZD	No	No	No	Yes	G8UTX8	No	No	No	Yes
DLLJ6D	No	No	No	Yes	G97NHD	No	No	No	Yes
DZ7WLU	No	No	No	Yes	GPCPFL	No	No	No	Yes
DZ7WMF	No	No	No	Yes	GUQHD7	No	No	No	Yes
E2TZMZ	No	No	No	Yes	GZCHMR	No	No	No	Yes
E3P7C7	No	No	No	Yes	H4PHL4	No	No	No	Yes
E9FLYT	No	No	No	Yes	HEBNE2	No	No	No	Yes
ECRNMA	No	No	No	Yes	HHNMNA	No	No	No	Yes
ED8WR4	No	No	No	Yes	J2TQHW	No	No	No	Yes
EFDEQY	No	No	No	Yes	JCWJCW	No	No	No	Yes
ENL3M7	No	No	No	Yes	JDUU8Z	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EPZF79	No	No	No	Yes	JFE2BT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EWX7U6	No	No	No	Yes	JGBC9G	No	No	No	Yes
EXTKHH	No	No	No	Yes	JKQUK8	No	No	No	Yes
FAFFP9	No	No	No	Yes	JNRT2Q	No	No	No	Yes
FBX3RX	No Interpretations Reported, DNA Analyzed for Database purposes only.				JQHYSW	No	No	No	Yes
FHD6C6	No	No	No	Yes	JQZZ4J	No	No	No	Yes
FHXQ3A	No	No	No	Yes	JT24V7	No	No	No	Yes
FN2QJR	No	No	No	Yes	JY737W	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FNZZ93	No	No	No	Yes	K3NNCN	No	No	No	Yes
FYYLJ8	No	No	No	Yes	K9U4HY	No	No	No	Yes
G34CN2	No	No	No	Yes	K9XHVZ	No	No	No	Yes
G4A2M6	No	No	No	Yes	KE2QW2	No	No	No	Yes
G72XDJ	No	No	No	Yes	KFRWA7	No	No	No	Yes
G8AE43	No	No	No	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
KG6KU7	No	No	No	Yes	MZW6NV	No	No	No	Yes
KQV6VX	No	No	No	Yes	N3GAZZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KTFUFB	No	No	No	Yes	N4QLCA	No	No	No	Yes
KTGRTR	No Interpretations Reported, DNA Analyzed for Database purposes only.				NB78KD	No	No	No	Yes
KVME4B	No	No	No	Yes	NFXJC4	No	No	No	Yes
KZ3K4Q	No Interpretations Reported, DNA Analyzed for Database purposes only.				NGVKL2	No	No	No	Yes
L29PTY	No	No	No	Yes	NHTUH4	No	No	No	Yes
L3YV86	No	No	No	Yes	NJ3YT8	No	No	No	Yes
L8HKX9	No	No	No	Yes	NKUZUP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LDH8K3	No	No	No	Yes	NL7WZU	No	No	No	Yes
LDZC32	No	No	No	Yes	NNRLFZ	No	No	No	Yes
LFNMZL	No	No	No	Yes	NQM3YN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LG7RFY	No	No	No	Yes	P2F6FN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LHFG2V	No	No	No	Yes	P2UCWY	No	No	No	Yes
LV4VUX	No	No	No	Yes	P7AXRQ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LVK3ZE	No	No	No	Yes	PCYHTL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
M22WDN	No Interpretations Reported, DNA Analyzed for Database purposes only.				PE38Z2	No	No	No	Yes
M3HVRL	No Interpretations Reported, DNA Analyzed for Database purposes only.				PNBM79	No	No	No	Yes
M8NR9Z	No	No	No	Yes	PP4FZ8	No	No	No	Yes
MEAKP7	No	No	No	Yes	Q3PBVX	No	No	No	Yes
MF2LN3	No	No	No	Yes	Q4H4QF	No	No	No	Yes
MKZTBL	No Interpretations Reported, DNA Analyzed for Database purposes only.				Q8YQZE	No	No	No	Yes
MLCPKW	No Interpretations Reported, DNA Analyzed for Database purposes only.				QBWA3D	No	No	No	Yes
MP7T43	No	No	No	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
QJ99RH	No Interpretations Reported, DNA Analyzed for Database purposes only.				VBQB2T	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QJDKFE	No	No	No	Yes	VJZMAJ	No	No	No	Yes
QMWKVU	No	No	No	Yes	VL4F4H	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QQVWTF	No	No	No	Yes	VP7G6E	No	No	No	Yes
RA8X6T	No	No	No	Yes	VRPFFN	No	No	No	Yes
RAFGHV	No	No	No	Yes	VRR6KL	No	No	No	Yes
REDZKT	No Interpretations Reported, DNA Analyzed for Database purposes only.				VTLL3A	No	No	No	Yes
RG36JR	No	No	No	Yes	VY9GXL	No	No	No	Yes
RJ4DJW	No	No	No	Yes	W7NWPM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RNNV7M	No Interpretations Reported, DNA Analyzed for Database purposes only.				WD8ZWP	No	No	No	Yes
RPVFUM	No	No	No	Yes	WGN6TY	No	No	No	Yes
RR79TW	No Interpretations Reported, DNA Analyzed for Database purposes only.				WH3R6L	No	No	No	Yes
RTWE82	No	No	No	Yes	WPJ3HM	No	No	No	Yes
RWXKJL	No	No	No	Yes	WQETJV	No	No	No	Yes
T8UT3N	No	No	No	Yes	WTGQUN	No	No	No	Yes
TAWVNJ	No	No	No	Yes	WTL78N	No	No	No	Yes
TMPARM	No	No	No	Yes	X28RQR	No	No	No	Yes
TYE8V7	No	No	No	Yes	X6TF9J	No	No	No	Yes
UC6FZQ	No	No	No	Yes	XX9HCJ	No	No	No	Yes
UEQ6FW	No	No	No	Yes	XY4YU8	No	No	No	Yes
UW99VX	No	No	No	Yes	XZXMD4	No	No	No	Yes
V8JZ2H	No Interpretations Reported, DNA Analyzed for Database purposes only.				Y4TY6K	No	No	No	Yes
VA9A9Y	No	No	No	Yes	Y4VHDH	No	No	No	Yes
VAFAFU	No	No	No	Yes	YBRKD9	No Interpretations Reported, DNA Analyzed for Database purposes only.			

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
YFJTGE	No	No	No	Yes					
YK3GKZ	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YTUZZU	No	No	No	Yes					
YYW7DB	No	No	No	Yes					
Z3FKGC	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Z4QM6V	No	No	No	Yes					
ZAE6LT	No	No	No	Yes					
ZDUMWH	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZH6XPC	No	No	No	Yes					
ZHTUJZ	No	No	No	Yes					
ZL64AA	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZMJ7GH	No	No	No	Yes					
ZNWXCK	No	No	No	Yes					
ZYEHUV	No	No	No	Yes					

Response Summary**Participants reporting DNA results: 252**

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)?

Responses	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4
Yes	0	0	0	211
No	211	211	211	0
Inc	0	0	0	0

Participants not reporting Interpretation results: 41

Additional Comments

TABLE 5

WebCode	Additional Comments
26CTZC	Elevated stutter present at DYS458 for Item 2. Elevated stutter present at DYS390 for Item 3.
2EPFDM	Both questioned stains in item 3 and 4 tested positive for blood using two different presumptive tests: Leucomalachite green (LM) and Hexagon OBTI.
4A73NJ	In a transition period between PP16 and Globalfiler; both technologies are online in our lab at this time, therefore both technologies are represented on this proficiency.
4JT44T	DYS391 results reported in the "Additional DNA" section are from the Powerplex Fusion kit. Powerplex Fusion results for Item 1 at D22S1045 indicate the presence of a minor 14 allele. This allele is being noted here as a possible sister allele to the 16 allele. The 14 allele is 14.5% of the 16 allele and is therefore below the laboratory's 60% heterozygote pairing guidelines. A similar severely imbalanced heterozygote ratio was also seen at the D22S1045 locus in the developmental validation. [Oostdik, K., et al., 2014, Developmental validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards, Forensic Science International: Genetics, v. 12, p. 69-76.]
4PUKDD	The alleles reported were those listed in the Evidence Input Files (including stutter) used by the STRmix software. Minifiler results for item 1 concordant with Identifiler plus results.
6CQEZU	A minor allele 14 was noted at locus D22S1045 in Item 1. During the developmental validation of the PowerPlex Fusion System, a severely imbalanced 14 allele was observed at the locus D22S1045. This discordance may be the reason a minor allele 14 was noted upon amplification of Item 1. Refer to citation listed below. Oostdik, Kathryn, et al. "Developmental validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards." Forensic Science International: Genetics 12 (2014) 69-76. Print. Results reported for loci DYS391 in Additional DNA tab are from PowerPlex Fusion results.
6MNEBD	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
6PDNMY	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for minus stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one minus stutter peak being included in the DNA Results tables.
79KBNX	STRmix genotyping probability software was used to determine possible genotype combinations. No stutter filters are used when using this software and it is recognized that some stutter peaks can be recognized as true peaks.
7BQVBX	STRmix probabilistic genotyping software was used to determine genotype combinations. No stutter filters are used when using this software and it is admitted that some stutter peaks can be recognized as true peaks.
8B4PPD	The probabilistic software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
8GBD7K	1) Item 1 and Item 2 were extracted using in situ method and amplified using the Amp FISTR Direct Kit. 2) Item 3 and Item 4 were extracted using the chelex method, quantified using the Quantifiler Human Quantification Kit and amplified using the Amp FISTR Identifiler Plus Kit. 3) Y-STR analysis were also carried out on Item 1, Item 2, Item 3 and Item 4 using the Amp FISTR Y-File Kit. 4) All of these amplified product were analysed (Electrophoresis) using the Genetic Analyzer 3130xl. 5) Reagent Blank, Positive Control and Negative Control were also incorporated throughout the analysis.

TABLE 5

WebCode	Additional Comments
8L2MEX	STRmix interpretation software was utilized for (item 4). Allele calls are based on the genotype probability distribution list so additional alleles may be present as any allele given a weight as a possible true allele was documented.
8R8HWC	The alleles reported were those listed in the Evidence Input Files (including stutter) used by the STRmix software.
979GJA	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
AAK8Q	Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit. In Item 1, a minor 14 allele was detected at D22S1045. It is possible that this is due to a severe peak imbalance, as was seen in the developmental validation of the PowerPlex Fusion kit. See K. Oostdik et al. Developmental validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards, Forensic Science International: Genetics 12 (2014) 69-76.
ADH7VM	Items 1,2,3 and 4 were amplified with 3 autosomic identification systems (PowerPlex® FUSION, Investigator® 24plex QS and GlobalFiler). we obtained the next results. SYSTEM: PowerPlex® FUSION, Allelic Results (D22S1045): 16,16; SYSTEM: Investigator® 24plex QS, Allelic Results (D22S1045): 14,16; SYSTEM: GlobalFiler, Allelic Results (D22S1045): 14,16. We obtained a different allelic result for PowerPlex® FUSION. It could be due to a mutation in the place where the primer bounds.
AFPJGV	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
BED7CX	This analyst is only competent to develop profiles from known individuals (not unknowns or comparisons).
BLDKZK	Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion kit. In Item 1 a 14 allele at 7.9% of the 16 allele was observed at D22S1045 using the PowerPlex Fusion System. Re-amplification of Item 1 at a 1.0ng and 2.0ng total DNA amplification target template with the PowerPlex Fusion System, confirmed the 14 allele at 18.1% of the 16 allele at D22S1045 in the 1.0ng target and the 14 allele at 23.7% of the 16 allele at D22S1045 in the 2.0ng target. No n-6 artifact has been observed at the D22S1045 locus, but a severe imbalance of heterozygote alleles at D22S1045 was observed in the developmental validation of the PowerPlex Fusion System. (K Oostdik, K Lenz, J Nye, et al. Developmental validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards, Forensic Sci. Int. Genet. 12 (2014)69-76.)
CJ28QH	First: When confront genotypes obtained from the suspect ITEM 2, with those obtained from ITEM 4 questioned stain from victim's shirt, seen in the results table 1 are identical, so we proceeded to make the statistical analysis with reference allele frequencies of [State], determining that 2.18766 e 21 times more likely to find this profile, ITEM 4 Questioned stain from victim's shirt if it comes from suspect than if it comes from someone else random population of the [State]. Second: It has genotypes ITEM 1 VICTIM AND item 3 Questioned stain from suspect's, they are different from each other, leaving a guard to confront later
DCYF47	Database laboratory, therefore only Items 1 and 2 were examined.
E9FLYT	"DNA interpretations not reported, samples analyzed for database purposes only" box checked applies to Y data interpretation. Y exemplars were analyzed for database/exemplar purposes.
EWX7U6	The probabilistic software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
EXTKHH	DNA Analysis - Additional DNA Results for Items 3 and 4 locus DYS391 is from PowerPlex Fusion. Results

TABLE 5

WebCode	Additional Comments
	for Items 1 and 2 loci DYS391, DYS576 and DYS570 are from PowerPlex Fusion 6C.
FHD6C6	The probabilistic software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
FN2QJR	"DNA interpretations not reported; samples analyzed for database purposes only" pertains to Y samples only. Y samples were run for database/exemplar purposes only. No interpretation reported.
G4A2M6	The alleles reported were those listed in the Evidence Input Files (including stutter) used by the STRmix software.
G72XDJ	Note: 1) Results on Additional DNA were obtained from the PowerPlex Fusion system. 2) The severely imbalanced alleles 14 and 16 at Genetic locus D22S1045 were observed from Item 1 using the PowerPlex Fusion system. The observation was confirmed using the GlobalFiler system.
GPCPFL	STRMix interpretation software was utilized for item 4. Allele calls are based on the genotype probability distribution list so additional alleles may be present as any allele given a weight as a possible true allele was documented. Male screening was performed on items 3 and 4.
GZCHMR	"DNA interpretations not reported; samples analyzed for database purposes only" box checked for Y STR data interpretation only. Y exemplars analyzed for database/exemplar purposes.
HEBNE2	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
JGBC9G	Additional results at DYS391 obtained using PowerPlex Fusion. A 14 allele was observed at 10.2% of the 16 allele in genetic locus D22S1045 when Item 1 was amplified with PowerPlex Fusion. The sample was re-amplified using PowerPlex Fusion at the original template amount and the max template recommended by our protocol. A 14 allele was observed at 7.2% of the 16 allele in genetic locus D22S1045 for the max template amplification. No 14 allele was observed above analytical threshold for re-amplified sample with the same template as the original amplification. At this time there is no literature supporting the occurrence of an n-6 artifact at D22S1045, nor was it observed during our internal validation. However, a severely imbalanced 14, 17 heterozygote at D22S1045 was reported by Oostdik et al. in the developmental validation. Based on this, the 14 allele at D22S1045 is being reported out as minor to the 16 allele. FULL REFERENCE: K. Oostdik et al. Developmental validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards, Forensic Science International: Genetics 12 (2014) 69-76
K9U4HY	The probabilistic software STRmix® was used on this proficiency. We report out all possible alleles generated in the Genotype Probability Distribution output files.
KE2QW2	The alleles reported were those listed in the Evidence Input Files (including stutter) used by the STRmix software.
KQV6VX	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
KTFUFB	LR ITEM 3: Hp (Item2 donor) vs. Hd (unknown donor) = 3e23
L29PTY	The alleles reported were those listed in the Evidence Input Files (including stutter) used by the STRmix software.
L8HKX9	Conclusions: 1. According to the results obtained with the powerplex fusion amplification system, it was determined a genetic profile in the reference sample of the victim, labeled in the laboratory with the control number 5938LGF16, which belongs to a Male individual and it is 1.5481842365742832982809722714227 e-29 times more likely that the same genotype is found in the population, this profile is susceptible to future confrontations. 2. According to the results obtained with the powerplex fusion amplification system, it was determined a genetic profile in the stain sample recovered from the suspect's shirt, labeled in the laboratory with the control number 5940LGF16, which belongs to a

TABLE 5

WebCode	Additional Comments
	male individual and it is 1.8338528932540617534061621442232e-30 times more likely that the same genotype is found in the population, this profile is susceptible to future confrontations. 3. Based on the results obtained from the genetic system of human identification powerplex fusion and the statistical analysis performed it is established that it is 169,639,003,647,671,000,000,000,000,000,000,000,000,000,000 times more likely that the genetic profile obtained from the recovered stain from the victim's shirt has the same biological origin as the genetic profile obtained from the reference sample taken from the suspect than any other individual in the population not related with him. 4. Based on the results obtained through the powerplex fusion genetic system it is established that the genetic profile obtained from the reference sample of the victim, is excluded from the questioned stains. 5. Based on the results obtained through the powerplex fusion genetic system it is established that the genetic profile obtained from the recovered stain from the suspect's shirt corresponds to a male individual, which is not related to the victim or the suspect.
M8NR9Z	Victim (Item 1) is excluded as the donor of the DNA on the exhibits (Item 3 and Item 4). Suspect (Item 2) is excluded as the donor of the DNA on the exhibit (Item 3). The DNA result from Item 4 matches the DNA result of the suspect (Item 2).
MLCPKW	Database laboratory, therefore only items 1 and 2 were examined.
N4QLCA	The reported results for DYS391 listed in the Additional DNA section is from the amplification kit, PowerPlex Fusion. In the profile obtained from Item 1 there is a minor 14 allele noted in locus D22S1045 at approximately 8.5% of the 16 allele. This could be the severely imbalanced peak found in the "Developmental Validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards." Oostdik, K., Lenz, K., Nye, J., Schelling, K., Yet, D., Bruski, S. et al, Developmental validation of the PowerPlex((R)) Fusion System for analysis of casework and reference samples: a 24-locus multiplex for new database standards. Forensic Sci. Int. Genet. 2014;12:69-76.
NB78KD	STRMix interpretation software was utilized for item 4. Allele calls are based on the genotype probability distribution list so additional alleles may be present as any allele given a weight as a possible true allele was documented.
NHTUH4	1) Item 1 and Item 2 were extracted in-situ & amplified using Amp FISTR Direct Kit 2)Item 3 and Item 4 was extracted using TECAN and quantification was carried out using Quantifiler Human Quantification Kit. 3) Item 1 and Item 2 was amplified by using Amp FISTR Identifiler Direct Kit 4) Item 3 and Item 4 was amplified by using Amp FISTR Identifiler Plus Kit 5) Item 1, Item 2, Item 3, and Item 4 was also amplified using Yfiler whereas Item 4 was further amplified using Minifiler 6) All of these amplified products were analysed (Electrophoresis)by using GA 3130xl 7) Reagent Blank, Positive Control and Negative Control were also incorporated throughout the analysis.
NJ3YT8	Results on the "Additional DNA" page were obtained from the PowerPlex Fusion kit. The initial 1 ng amplification of Item 1 produced an imbalance of peaks at D22S1045. The called alleles were 14,16 and the 14 allele was 18% of the 16 allele. The sample was reamplified at 1 ng and 2 ng. The 1 ng and 2 ng reamplifications reproduced the imbalance of peaks at 13% and 16%, respectively. This imbalance is documented in the developmental validation of the PowerPlex Fusion System (K. Oostdik et al. / Forensic Science International: Genetics 12 (2014) 69-76). For the purposes of this test, the final allele call of locus D22S1045 was a [14],16.
NL7WZU	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
PNBM79	All items correspond to masculine individuals. There were found three different genetic profiles in the four items analyzed. The suspect (item 2) and the questioned stain (item 4) correspond to the same profile.
Q8YQZE	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for minus stutter. Any allele included in a proposed,

TABLE 5

WebCode	Additional Comments
	weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one minus stutter peak being included in the DNA Results tables. Loci labelled "N/A" in the DNA Results tables were not typed.
QBWA3D	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
QJDKFE	STRMix interpretation software was utilized for Item 4. Allele calls are based on the genotype probability distribution list so additional alleles may be present as any allele given a weight as a possible true allele was documented. Male screening interpretation, review, and report writing were covered in this proficiency test.
QMWKVU	STRMix probabilistic genotyping software was used to determine genotyping combinations. No stutter filters used when using this software and it is recognized that some stutter peaks can be recognized as true peaks."
QQVWTF	STRMix interpretation software was utilized for items 0104AA. Allele calls are based on the genotype probability distribution list so additional alleles may be present as any allele given a weight as a possible true allele was documented. Male Screening interpretation, review, and report writing was covered in this proficiency test.
RG36JR	STRMix probabilistic genotyping software was used to determine genotype combinations. No stutter filters are used when using this software and it is recognized that some stutter peaks can be recognized as true peaks.
T8UT3N	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
TMPARM	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. Additional allele calls are the result of stutter peaks no longer being filtered from the profile. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
TYE8V7	1. Item 1 and Item 2 were extracted using in-situ method and amplified using Identifiler Direct in the 9700 thermal cyclor. 2. Item 1, Item 2, Item 3 and Item 4 were amplified using YFiler Kit in the 9700 thermal cyclor. 3. Item 3 and Item 4 were extracted using chelex extraction method and quantified using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. Amplification was done using AmpFISTR Identifiler Plus Kit. 4. All electrophoresis process were carried out by Genetic Analyzer 3130xl. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
VTLL3A	STRmix Probabilistic Genotyping software was used to aid in the interpretation of DNA samples and requires turning the stutter filters off in GMID-X. Removing the stutter filter can result in extra peaks in stutter positions receiving an allele call. STRmix considers all genotype possibilities in a profile and occasionally stutter peaks can be recognized as true alleles. For the purpose of this test all possible genotypes were recorded.
W7NWPM	Samples were re-run for 2 reasons: 1. Both positive controls failed and 2. re-run at increased cycle number due to very weak results. Database laboratory, therefore only Items 1 and 2 were examined.
WH3R6L	Victim and suspect vs DNA results from Item 3: Number of alleles of victim's genetic profil (Item 1) are discordant with the profile obtained with the stain collected from sample Item 3 (suspect's shirt). The DNA evidence demonstrates that victim's DNA is excluded as being the origin of the stain found on sample Item 3. Number of alleles of suspect's genetic profil (Item 2) are discordant with the profile obtained with the

TABLE 5

WebCode	Additional Comments
	stain collected from sample Item 3 (suspect's shirt). The DNA evidence demonstrates that suspect's DNA is excluded as being the origin of the stain found on sample Item 3. This unknown profile obtained from sample Item 3 can be sent to the DNA database for comparison. Suspect vs DNA results from Item 4: All alleles of suspect's genetic profile are identical with alleles obtained with the stain collected from sample Item 4 (victim's shirt). LR=1,5E+19 (caucasian population data) The DNA evidence is more than 1 billion times more likely if the suspect is the source of the stain collected from sample Item 4 than if some other person unrelated with the suspect is the source of the stain found on sample Item 4. The victim is excluded as being a contributor.
WPJ3HM	Item 1, Locus D22S1045 not reported due to inconclusive results due to possible severe allelic imbalance or possible artifact.
WTGQUN	STRMix probabilistic genotyping software was used to determine genotype combinations. No stutter filters are used when using this software and it is recognized that some stutter peaks can be called/recognized as true peaks.
WTL78N	For Victim (Item 1) autosomal results using Fusion 6C, locus D22 was not used due to possible peak imbalance or possible artifact.
X6TF9J	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
XY4YU8	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for minus stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one minus stutter peak being included in the DNA Results tables.
XZXMD4	Additional DNA results developed using PowerPlex Fusion. Item 1 yielded a result of 14,16 at genetic locus D22S1045 with a severe heterozygote imbalance of 14%. This sample was re-amplified and a result of only the 16 allele was obtained.
YK3GKZ	Data for loci DYS391, DYS570 and DYS576 for Items 1 and 2 under Part I (continued): DNA Analysis - Additional DNA are from the Fusion 6C kit.
Z4QM6V	Results in the "Additional DNA" section were generated using PowerPlex Fusion. Brackets [] indicate a minor allele; this occurred for the 14 allele in the D22S1045 locus for Item 1. This imbalanced 14 allele was reproducible, and peak height ratio increased slightly when template amount was increased. Additionally, severe peak height imbalance for a heterozygous 14 allele in D22S1045 has previously been noted in the literature: K. Oostdik et al. Forensic Science International: Genetics 12 (2014) 69-76.
ZAE6LT	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifier Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-File 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.
ZHTUJZ	DYS391 results in Additional DNA section are from the PowerPlex Fusion kit. A minor 14 allele was observed in Item 1 at locus D22S1045 at 11.6% of the major peak. This could be a severely imbalanced 14 as noted in the PowerPlex Fusion developmental validation, but was noted as minor as the peak height ratio does not conform to validated laboratory reporting protocols for paired alleles. Oostdik, K et al. Developmental validation of the PowerPlex Fusion System for analysis of casework and reference samples: A 24-locus multiplex for new database standards, Forensic Science International: Genetics 12 (2014) 69-76.
ZMJ7GH	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible

TABLE 5

WebCode	Additional Comments
ZYEHUV	alleles generated in the Genotype Probability Distribution output files. ITEM #3 PRESENTS AN ELEVATED STUTTER ON D13S317.

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 16-585: DNA-Blood

DATA MUST BE RECEIVED BY November 7, 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 multi-person assault that occurred outside of a nightclub at 2:00 am. A male victim was transported unconscious from the scene to a local area hospital, where due to his head injuries he remains in a coma. Security footage and witness statements indicate that a group of 3 or 4 males got into an altercation in the nightclub, and upon being escorted outside by security, a fight broke out. Eyewitnesses identified the suspect as one of the males involved in the incident. A warranted search of the suspect's home found a stained shirt with possible biological stains. Additional biological stains were recovered from the clothing from the victim at the hospital. Screening has been performed on both evidence samples with the following results: Item 3 (suspect's shirt) and Item 4 (victim's shirt) were both positive for blood. Also submitted are the known blood samples of the victim and the suspect.

Items Submitted (Sample Pack S5):

- Item 1: Known blood from the male victim
- Item 2: Known blood from the male suspect
- Item 3: Questioned stain from suspect's shirt (blue-green plaid material)
- Item 4: Questioned stain from victim's shirt (white material with blue dots)

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 any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, 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 any 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 any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, 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 any 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"/>

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 any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
3	<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
3	<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
3	<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
3	<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 3: Please check all the brands that apply for this item and record any 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="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
3	<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
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

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

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

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

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
4	<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
4	<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
4	<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
4	<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 4: Please check all the brands that apply for this item and record any 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="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
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
4	<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 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 November 07, 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. **16-585: DNA-Blood**

This release page must be completed and received by **November 7, 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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